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Southwestern Presbyterian University

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1920-21

BULLETIN

SOUTHWESTERN PRESBYTERIAN UNIVERSITY

CATALOGUE

FORTY-SIXTH SESSION

PUBLISHED QUARTERLY BY THE
SOUTHWESTERN PRESBYTERIAN UNIVERSITY

(Entered as Second Class Matter July 15, 1913, at the Post Office of Clarksville, Tennessee, under the Act of August 25th, 1912.)

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ANNOUNCEMENT

OF

Southwestern

Presbyterian University

FOR THE YEAR

1920-1921

Clarksville, Tennessee

MARCH, 1920

Vol. 7 New Series No. 2

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COLLEGE CALENDAR

Session 1919-20.

Jan.	2	Friday 8:30 A.M.	College Session resumed.
Jan.	23–30		Semester Examinations.
Jan.	31	Saturday	Inter-term Holiday.
Feb.	2	Monday	Second Semester begins.
Feb.	22	Sunday	Day of Prayer for Colleges.
May	10	Monday	Founder's Day.
May	27	Thursday	Commencement Program begins.
May	30	Sunday, 11 A.M.	Baccalaureate Sermon.
May	30	Sunday, 8 P.M.	Annual Sermon before Y. M. C. A.
May	31	Monday	Graduation Exercises
June	1	Tuesday	Alumni Smoker
June	2–8		Semester Examinations.

Session 1920-21.

Sept.	14–15	Tuesday, Wednesday	Entrance Examinations.
Sept.	**16**	**Thursday**	**Forty-sixth Session begins.**
Nov.	25	Thursday	Thanksgiving Holiday.
Dec.	22	Wednesday, 1 P.M.	Christmas Holiday begins.
Jan.	4	Tuesday, 8:30 A.M.	College Session resumed.
Jan.	28-Feb. 4		Semester Examinations.
Feb.	5		Inter-term Holiday.
Feb.	7		Second Semester begins.
Feb.	27	Sunday	Day of Prayer for Colleges.
May	10		Founder's Day.
June	2	Thursday	Commencement Program begins.
June	5	Sunday, 11 A.M.	Baccalaureate Sermon.
June	5	Sunday, 8 P.M.	Annual Sermon before Y. M. C. A.
June	6	Monday	Graduation Exercises.
June	7–13		Semester Examinations.

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CORPORATION

Legal Title: The Southwestern Presbyterian University.
President: Charles Edward Diehl, D.D.....Clarksville, Tenn.
Treasurer: Charles William Bailey.....Clarksville, Tenn.
Secretary: Hon. Michael Savage.....Clarksville, Tenn.

DIRECTORS

Rev. Wm. McFaddin Alexander, D.D., LL.D., 1921
New Orleans, La.
Rev. Chas. Zenas Berryhill, 1920.....Holly Springs, Miss.
Hon. Jerome T. Fuller, 1920.....Centreville, Ala.
Hon. William T. Hardie, 1922.....New Orlens, La.
Rev. George Lang, D.D., 1922.....University, Ala.
Major George Wythe Macrae, 1921.....Memphis, Tenn.
Rev. Robert H. McCaslin, D.D., 1921.....Montgomery, Ala.
Rev. William Henry McIntosh, 1921.....Hattiesburg, Miss.
Rev. Homer McMillan McLain, 1920.....Shreveport, La.
Rev. Joseph Rennie, D.D., 1922.....Greenwood, Miss.
Hon. Michael Savage, 1922.....Clarksville, Tenn.
Rev. James Isaac Vance, D.D., LL.D., 1920.....Nashville, Tenn.

EXECUTIVE COMMITTEE

The President, Chairman
Charles William Bailey
Major George Wythe Macrae
Benjamin Avery Patch
Michael Savage

CHARTER OF SOUTHWESTERN PRESBYTERIAN UNIVERSITY

State of Tennessee—Charter of Incorporation.

Be it known, that Thomas R. Welch, B. M. Palmer, John N. Waddel, Donald MacGregor, Evander McNair, John B. Shearer, D. N. Kennedy, W. K. Marshall, C. A. Stillman, Thomas A. Hamilton, James A. Lyon, and B. M. Estes are hereby constituted a body politic and corporate, by the name and style of the Southwestern Presbyterian University, for the purpose of establishing and maintaining in the city of Clarksville, County of Montgomery, State of Tennessee, a University with power to confer degrees. The object and scope of the Institution proposed shall be to found a school of instruction in the various liberal and professional studies, and in such special and polytechnic arts and studies as may be deemed necessary, and to be under the patronage of the Presbyterian Church in the United States.

This corporation is organized under and pursuant to an act of the General Assembly of the State of Tennessee, enacted March 23, 1875, Chapter 142; and in compliance with the terms of said act, which is as follows: "The support of any literary or scientific institution, as a College or University with power to confer degrees, an academy, debating society, lyceum, the establishment of a library, the support of a historical society, the promotion of paintings, music or the fine arts, the support of Boards of Trade, or Chambers of Commerce, or other objects of like nature."

We, the undersigned, apply to the State of Tennessee, by virtue of the laws of the land, for a charter of incorporation for the purposes and with the powers declared in the foregoing instrument.

Thos. R. Welch (Seal)
B. M. Palmer (Seal)
Jno. N. Waddell (Seal)
D. MacGregor (Seal)
Jno. B. Shearer (Seal)
Evander McNair (Seal)

St. Louis, May 20th, 1875.
I witness these six signatures,
D. N. Kennedy
J. W. Hoyte

I, C. N. Gibbs, Secretary of State of the State of Tennessee, do certify that the foregoing instrument, with certificates of acknowledgment of probate and registration, was filed in my office for registration on the 31st day of May, 1875, and recorded on the 31st day of May, 1875, in Corporation Record Book A, in said office, pages 34 and 35.

In testimony whereof, I have hereunto subscribed my official signature; and by order of the Governor, affixed the Great Seal of the State of Tennessee, at the Department in the city of Nashville, this the 31st day of May, A. D. 1875.

Chas. N. Gibbs,
Secretary of State.

FACULTY*

OFFICERS OF ADMINISTRATION

CHARLES EDWARD DIEHL, A.M., D.D.....President's House
President of the University

SCOTT CARY LYON, A.M.....606 College Street
Dean of the University

LAWRENCE INGLIS MACQUEEN, A.M.....125 Fourth Street
Registrar of the University

CHARLES WILLIAM BAILEY.....1221 Madison Street
Treasurer of the University

OFFICERS OF INSTRUCTION

SCOTT CARY LYON, A.M.
(Tulane University)
Professor of Chemistry and Biology

LAWRENCE INGLIS MACQUEEN, A.M.
(University of Cincinnati)
Professor of Political and Social Science.

ROBERT CECIL BEALE, A.M., PH.D.
(University of Virginia)
Professor of English

CHARLES EDWARD DIEHL, A.M., D.D.
(Princeton University)
Professor of Bible

CHARLES LOUIS TOWNSEND, A.M., PH.D.
(Harvard University)
Professor of Modern Languages

CLYDE PHARR, A.M., PH.D.
(Yale University)
Professor of Ancient Languages

Margaret Huxtable Townsend, A.M.
(McGill University)
Assistant Professor of History and English

Adolph J. Schneeweiss, A.M., PH.D.
(Columbia University)
Professor of Philosophy and Associate in Mathematics

Vivian Leroy Chrisler, A.M.
(University of Nebraska)
Professor of Physics and Associate in Engineering

Warren S. Higgins, E.E., M.E.E.
(Harvard University)
Professor of Mathematics and Engineering

Charles Flinn Arrowood, B.D., A.M.
(Rice Institute)
Professor of Education and Associate in Bible

INSTRUCTORS

Marion Lee MacQueen, A.M.
Instructor in Mathematics and Biology

Robert Price Richardson, A.B.
Instructor in Physical Education

Charles Louis Townsend
Librarian

Hardy Greenhill
Assistant to the President

Lillian Cooley
Assistant Librarian

---

*Arranged in order of appointment to present rank.

COMMITTEES OF THE FACULTY

The President of the University is ex-officio member of all committees.

ADMINISTRATIVE
S. C. Lyon, L. I. MacQueen, C. L. Townsend.

ALUMNI
R. C. Beale, M. L. MacQueen, S. C. Lyon.

ATHLETICS
S. C. Lyon, R. P. Richardson, L. I. MacQueen.

BUILDING AND EQUIPMENT
L. I. MacQueen, W. S. Higgins, V. L. Chrisler.

CLASSIFICATION AND CURRICULUM
C. L. Townsend, L. I. MacQueen, R. C. Beale.

GRADUATE SCHOOL
Clyde Pharr, A. J. Schneeweiss, V. L. Chrisler.

LIBRARY
C. L. Townsend, R. C. Beale, W. S. Higgins.

PUBLIC FUNCTIONS
R. C. Beale, S. C. Lyon, M. H. Townsend.

PUBLICATIONS AND PUBLICITY
L. I. MacQueen, R. C. Beale, M. H. Townsend.

RELIGIOUS AND SOCIAL LIFE
C. F. Arrowood, S. C. Lyon, R. P. Richardson.

STUDENT WELFARE
L. I. MacQueen, C. F. Arrowood, Clyde Pharr.

GENERAL REQUIREMENTS

All candidates for admission to Southwestern should enter into correspondence with the President at as early a date as possible. *No student will be received who does not present satisfactory testimonials of good character either from the principal of the school in which he was prepared or from some other responsible person who can offer testimony based on personal knowledge.*

Students who are known to have been guilty of dishonorable conduct in their preparatory school, or to drink or gamble, will not be received at this University, and it is earnestly requested that the names of such young men be not sent to the President for consideration. At Southwestern only those students who are willing to attend upon all duties faithfully, to give loyal support to the authorities, and to respect the regulations of the University, are desired.

METHODS OF ADMISSION

ADMISSION BY EXAMINATION

Students who desire to offer any subject or subjects listed below under Table of Entrance Subjects, and have no credit therefor from an accredited preparatory school, may present themselves at the opening of the session for examination on the dates specified in the college calendar for entrance examinations, September 14 and 15.

ADMISSION BY CERTIFICATE

Students who have been graduated from accredited preparatory schools may be admitted upon presentation of a certificate blank, which may be secured from the Registrar upon application, and should be carefully filled out and signed by the principal of his preparatory school.

This blank should be prepared as early in the summer as possible and forwarded to the University, since at a later date it is frequently difficult to gain access to the school

records. It is also highly desirable that the prospective student should find out whether he will be accepted by the University before he presents himself at the opening of the session, in order that expense and inconvenience may be avoided, in case he should be rejected.

In order to be admitted to the Freshman Class of the University without condition, the applicant must present at least fifteen units of high school work. One unit represents a course pursued five hours a week for a school year.

It is highly undesirable for a student, unless possessed of unusual ability, to enter upon collegiate work until he is well prepared to undertake it successfully. Entrance conditions are serious handicaps to a student and should be avoided if at all possible.

All entrance conditions must be made up before the beginning of the Sophomore year, and no student is allowed to enter upon the work of that year unless all such conditions have been removed.

ENTRANCE UNITS

From the Table of Entrance Subjects every student applying for admission must present at least three units in English, two in Mathematics and one in History. The remaining nine units may be offered in any other subjects on the list, but not more than one unit may be offered in vocational subjects.

SPECIAL STUDENTS

Applicants over twenty years of age, who give evidence of ability, may be admitted to a course of study without degree, pursuing that work for which they are prepared. For such students the unit requirements for admission may be waived. These requirements must be met, however, whenever such student offers himself as a candidate for a degree.

In the annual register of students, each special student is indicated as such and not as a candidate for a degree.

ADMISSION TO ADVANCED STANDING

A candidate for admission to advanced standing from an institution of collegiate rank may receive credit without examination for work completed at such an institution subject to the following requirements:

1. He must present a catalogue of the institution from which he comes together with an official certificate showing (a) his entrance credits at that institution, (b) his college record, including grade of scholarship in each subject taken, (c) honorable dismissal.

2. He must have completed creditably the work of at least one semester in an institution of collegiate rank.

3. He must satisfy the entrance requirements of the Southwestern Presbyterian University, using his advanced credits for this purpose if necessary.

4. Credit is allowed only for work equivalent to courses in the Southwestern Presbyterian University.

5. Credit for such advanced courses is regarded as provisional at the time of the applicant's admission to college, and will not be considered as final, nor will the applicant receive final enrollment until he has satisfactorily completed at least one semester's work in the University.

ADMISSION OF WOMEN

Since the action of the Board of Directors of the University on October 26, 1916, together with subsequent actions, women have been admitted as students to the Southwestern University and are eligible to all degrees offered by the University. The number of those has increased from year to year and it is expected that the University can in this way meet a considerable need in the territory immediately adjacent to Clarksville. The requirements for admission and the University fees are the same for women as they are for men. There is a rest room for the use of women in the Stewart Building, adjoining the offices of

administration. This room is equipped with every convenience for study and relaxation.

Where young women wish to matriculate in the University who do not reside in or near Clarksville, they should communicate with the President of the University and suitable boarding places will be provided for them.

TABLE OF ENTRANCE SUBJECTS

Subjects	Topics	Units
English	Grammar and Analysis	1
	Composition and Rhetoric	1
	Selections of Literature	1
	History of Literature	1
Mathematics	Algebra to Quadratics	1
	Quadratics, Progressions, Binominal Theorem	½ or 1
	Plane Geometry, complete	1
	Solid Geometry	½
	Plane Trigonometry	½
History	Ancient	1
	Medieval and Modern	1
	English	1
	American	1
Civics	Civil Government	½
Greek	Grammar and Composition	1
	Xenophon, four books	1
Latin	Grammar and Composition	1
	Caesar, four books	1
	Cicero, six orations	1
	Vergil, six books	1
French	Grammar and Composition	1
	Reading and Exercises	1
Spanish	Grammar and Composition	1
	Reading and Exercises	1
German	Grammar and Composition	1
	Reading and Exercises	1
Science	Physical Geography	1
	Physics, with laboratory work	1
	Chemistry, with laboratory work	1
	Botany	½
	Physiology	½
	Zoology	½
Vocational	Agriculture	1
	Commercial Subjects	1
	Domestic Science and Art	1
	Drawing	½ to 1
	Manual Training	1

EXPLANATION OF ADMISSION UNITS

ENGLISH—3 UNITS REQUIRED

Preparation in English has two main objects: command of correct and clear English, spoken and written; power to read with intelligence and appreciation. To secure the first end, training in grammar and the simpler principles of rhetoric, and writing of frequent compositions are essential. To secure the second end, a number of important pieces of literature are required to be read.

Candidates in 1920, 1921, and 1922, who do not enter upon certificate, will have the option of taking either of two examinations: (1) a "Restricted" examination, based in part on a prescribed list of books; (2) a "Comprehensive" examination. Each examination will be divided into two parts, one of which will be on grammar and composition, and the other on literature. However accurate in subject matter, no paper will be considered satisfactory if seriously defective in punctuation, spelling, or other essentials of good usage.

The examination may be divided between two years, one part taken as a preliminary and the other as a final, and when thus divided each will include a test in grammar and composition.

Grammar and Composition:—Restricted and Comprehensive Examinations.—In grammar and composition, the candidate may be asked specific questions upon the practical essentials of these studies, such as the relation of the various parts of a sentence to one another, and those good usages of modern English which one should know in distinction from current errors. The main test in composition will consist of one or more essays developing a theme through several paragraphs; the subjects will be drawn from the books read, from the candidate's other studies, and from his personal knowledge and experience quite apart from reading. For this purpose the examiner will provide several subjects, perhaps eight or ten, from which the candidate may make his own selections. He will not be expected to write more than four hundred words an hour.

Literature:—Restricted Examination.—This examination will include: A. Questions designed to test such knowledge and appreciation of literature as may be gained by an intelligent reading of the books given in list A below. B. A test on the books in list B below. This will consist of questions upon their content, form, and structure, and upon the meaning of such words, phrases, and allusions as may be necessary to an understanding of the works and an appreciation of their salient qualities of style. General questions may also be asked concerning the lives of the authors, their other works, and the periods of literary history to which they belong.

Comprehensive Examination.—The purpose of this examination will be to enable the candidate to show that he has read, understood, and appreciated a sufficient amount of English literature. The paper will include some questions that cannot be answered except by candidates who are able to apply what they have learned to passages of literature which they have not read before.

Restricted List. *A. Books for Reading.*—The books provided for reading are arranged in the following groups, from each of which at least two selections are to be made, except that for any book in Group 1 a book from any other may be substituted.

Group 1. Classics in Translation.—The Old Testament, at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther; the Odyssey, with the omission, if desired ,of Books I-V, XV, and XVI; the Aeneid. (The Odyssey and the Aeneid should be read in English translations of recognized literary excellence.)

Group 2. Drama.—Shakespeare's Merchant of Venice; As You Like It; Julius Cæsar.

Group 3. Prose Fiction.—Dicken's A Tale of Two Cities; George Eliot's Silas Marner; Scott's Quentin Durward; Hawthorne's The House of the Seven Gables.

GROUP 4. ESSAYS, BIOGRAPHY, ETC.—Addison and Steele's The Sir Roger de Coverley Papers; Irving's The Sketch Book—selections covering about 175 pages; Macaulay's Lord Clive; Parkman's The Oregon Trail.

GROUP 5. POETRY.—Tennyson's The Coming of Arthur, Gareth and Lynette, Lancelot and Elaine, The Passing of Arthur; Browning's Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, Herve Riel, Pheidippides, My Last Duchess, Up at a Villa—Down in the City, The Italian in England, The Patriot, The Pied Piper, "De Gustibus—", Instans Tyrannus; Scott's The Lady of the Lake; Coleridge's The Ancient Mariner; and Arnold's Sohrab and Rustum.

B. Books for Study.—The books provided for study are arranged in four Groups, from each of which one selection is to be made.

GROUP 1. DRAMA.—Shakespeare's Macbeth, Hamlet.

GROUP 2. POETRY.—Milton's L'Allegro, Il Penseroso, Comus; selections from Book IV of Palgrave's Golden Treasury (First Series), with special attention to Wordsworth, Keats, and Shelley.

GROUP 3. ORATORY.—Burke's Speech on Conciliation with America; Washington's Farewell Address; Webster's First Bunker Hill Oration, and Lincoln's Gettysburg Address.

GROUP 4. ESSAYS.—Macaulay's Life of Johnson; Carlyle's Essay on Burns, with a brief selection from Burn's Poems.

COMPREHENSIVE LIST. The following list is not intended to be in any sense prescriptive. Its purpose is rather to indicate, by examples, the kind of literature that secondary pupils should be taught to appreciate. Books of

equal merit, covering a similar range of literary types, will be accepted as equivalents.

GROUP 1. CLASSICS IN TRANSLATION.—The Old Testament, comprising at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther; the Odyssey, with the omission, if desired, of Books I-V, XV, XVI, XVII; the Iliad, with the omission, if desired, of Books XI, XIII, XIV, XV, XVII, XXI; the Aeneid. (The Odyssey, Iliad, and Aeneid should be read in English translations of recognized literary excellence.)

GROUP 2. DRAMA.—Everyman; Shakespeare's Midsummer Night's Dream, Merchant of Venice, As You Like It, Twelfth Night, The Tempest, Romeo and Juliet, King John, Richard II, Richard III, Henry V, Coriolanus, Julius Cæsar, Macbeth, Hamlet; Goldsmith's She Stoops to Conquer; Sheridan's The Rivals.

GROUP 3. PROSE FICTION.—Malory's Morte d'Arthur; Bunyan's Pilgrim's Progress, Part 1; Swift's Gulliver's Travels (voyages to Lilliput and to Brodingnag); Defoe's Robinson Crusoe, Part 1; Goldsmith's Vicar of Wakefield; Frances Burney's Evelina; Scott's Novels, for example Guy Mannering, Ivanhoe, Old Mortality, Quentin Durward, Rob Roy, The Talisman; Jane Austen's Novels, for example, Pride and Prejudice; Maria Edgeworth's Castle Rackrent or The Absentee; Dickens' Novels, for example David Copperfield, A Tale of Two Cities; Thackeray's Novels, for example, Henry Esmond; George Eliot's Novels, for example, The Mill on the Floss, Silas Marner; Mrs. Gaskell's Cranford; Kingley's Westward Ho! or Hereward, the Wake; Reade's The Cloister and the Hearth or Griffith Gaunt; Lytton's Last Days of Pompeii; Blakemore's Lorna Doone; Hughes' Tom Brown's School Days; Stevenson's Treasure Island, or Kidnapped, or Master of Ballantrae, or Dr. Jekyll and Mr. Hyde; Kipling's Kim, or Captains Courageous, or June Books; Cooper's Novels, for example, the Deerslayer, Last of the Mohicans, The Spy; Poe's Selected Tales; Hawthorne's The House of the Seven Gables, or

Twice Told Tales, or Mosses from an Old Manse; Howells's The Rise of Silas Lapham, A Boy's Town; Wister's The Virginian; Cable's Old Creole Days; a collection of short stories by various standard writers.

GROUP 4. ESSAYS, BIOGRAPHY, ORATORY, ETC.—Addison and Steele's Sir Roger de Coverley Papers or Selections from the *Tatler* and *Spectator;* Boswell's Selections from Life of Johnson; Franklin's Autobiography; Washington's Farewell Address; Burke's Speech on Conciliation with America; Irving's Life of Goldsmith; Southey's Life of Nelson; Lamb's Essays of Elia; Lockhart's Life of Scott; Thackeray's Lectures on Swift, Addison, and Steele in the English Humorists; Macaulay's Lord Clive and Warren Hastings, Milton, Addison, Life of Johnson, Speeches on Copyright, History of England, Chapter III (England in 1685), Essays on Goldsmith, Frederic the Great, Madam d'Arblay; Trevelyan's Selections from the Life of Macaulay; Carlyle's Essay on Burns: Ruskin's Sesame and Lilies, Selections; Dana's Two Years before the Mast; Webster's First Bunker Hill Oration; Lincoln's Selections, including at least Speech at Cooper Union, the two Inaugurals, the Speeches in Independence Hall and at Gettysburg, the Last Public Address, the Letter to Horace Greeley; together with a brief memoir or estimate of Lincoln; Parkman's The Oregon Trail; Emerson's Manners, Self-Reliance; Thoreau's Walden; Lowell's Selected Essays; Holmes' The Autocrat of the Breakfast Table; Burrough's Selected Essays; Warner's In the Wilderness; Curtis's Prue and I, Public Duty of Educated Men; Stevenson's An Inland Voyage and Travels with a Donkey; Huxley's Autobiography and Selections from Lay Sermons, including the addresses on Improving Natural Knowledge, A Liberal Education, and A Piece of Chalk; Hudson's Idle Days in Patagonia; Clemens's Life on the Mississippi; Riis's The Making of an American; Bryce's The Hindrance to Good Citizenship; a collection of essays by Bacon, Lamb, De Quincey, Hazlitt, Emerson, and later writers; a collection of letters by various standard writers.

GROUP 5 .POETRY.—Palgrave's Golden Treasury (First

Series) : Books II and III, with special attention to Dryden, Collins, Gray, Cowper, and Burns; Palgrave's Golden Treasury (First Series) : Book IV, with special attention to Wordsworth, Keats, and Shelley; Milton's L'Allegro, Il Penseroso, Comus, Lycidas; Pope's The Rape of the Lock; Goldsmith's The Traveller and The Deserted Village; a collection of English and Scottish ballads, as, for example, some Robin Hood ballads, The Battle of Otterburn, King Estmere, Young Beichan, Bewick and Grahame, Sir Patrick Spens, and a selection from later ballads; Coleridg's The Ancient Mariner, Christabel, and Kubla Khan; Byron's Childe Harold, Canto III or IV, and The Prisoner of Chillon; Scott's The Lady of the Lake, Marmion; Macaulay's The Lays of Ancient Rome, The Battle of Naseby, the Armada, Ivry; Tennyson's The Princess, The Coming of Arthur, The Holy Grail, Gareth and Lynette, Lancelot and Elaine, and the Passing of Arthur; Browning's Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, Herve Riel, Pheidippides, My Last Duchess, Up at a Villa —Down in the City, The Italian in England, The Patriot, The Pied Piper, "De Gustibus—," Instans Tyrannus; Arnold's Sohrab and Rustum, The Forsaken Merman, Balder Dead; selections from American Poetry, with special attention to Bryant, Poe, Lowell, Longfellow, Whittier, and Holmes.

Candidates who wish to take the comprehensive examination should give notice of such intention to the Dean at least one month in advance.

GREEK

One to three units.

A. Grammar and Composition. One unit. The forms, inflections and simpler constructions; prose composition.

B. Xenophon. One unit. Four books of the Anabasis or equivalent. Study of irregular verbs, sight reading of easy passages and composition based on Xenophon.

C. Homer. One unit. Three books of the Iliad. Homeric forms, syntax, prosody.

LATIN

One to four units.

A. Grammar and Composition. One unit. The regular inflections and the more common irregular forms, the simpler constructions, translation of easy prose and composition based on vocabulary and syntax of authors read.

B. Cæsar. One unit. Four books of the Gallic War or of the Civil War.

C. Cicero. One unit. Orations against Catiline, for the Manilian Law, and for Archias.

D. Vergil. One unit. Aeneid I-VI.

Instead of the reading specified above, an equivalent amount may be selected from the following authors and works: Cæsar (Gallic War and Civil War) and Nepos (Lives); Cicero (Orations, Letters and De Senectute) and Sallust (Catiline and Jugurthine War); Vergil (Eclogues, Georgics and Aeneid) and Ovid (Metamorphoses, Fasti and Tristia).

GERMAN

One to three units.

1. *Elementary.* Two units. During the first year the work should comprise: (1) careful drill upon pronunciation; (2) the memorizing and frequent repititions of easy colloquial sentences; (3) drill upon the rudiments of grammar, that is, upon the inflection of the articles, of such nouns as belong to the language of everyday life, of adjectives, pronouns, weak verbs, and the more usual strong verbs; also upon the use of the more common prepositions, the simpler uses of the modal auxiliaries, and the elementary rules of syntax and word-order; (4) abundant easy exercises designed not only to fix in mind the forms and principles of grammar, but also to cultivate readiness in the reproduction

of natural forms of expression; (5) the reading of from 75 to 100 pages of graduated texts from a reader, with constant practice in translating into German easy variations upon sentences selected from the reading lesson (the teacher giving the English), in the reproduction from memory of sentences previously read.

During the second year the work should comprise: (1) the reading of from 150 to 200 pages of literature in the form of easy stories and plays; (2) accompanying practice, as before, in the translation into German of easy variations upon the matter read and also in the off-hand reproduction, sometimes orally and sometimes in writing, of the substance of short and easy selected passages; (3) continued drill upon the rudiments of the grammar, directed to the ends of enabling the pupil, first, to use his or her knowledge with facility in the formation of sentences, and, secondly, to state his or her knowledge correctly in the technical language of grammar.

2. *Intermediate.* One unit. The work should comprise, in addition to the elementary course, the reading of about 400 pages of moderately difficult prose and poetry, with constant practice in giving, sometimes orally and sometimes in writing, paraphrases, abstracts, or reproductions from memory of selected portions of the matter read; also grammatical drill upon the less usual strong verbs, the use of articles, cases, auxiliaries of all kinds, tenses and modes (with special reference to the infinitive and subjunctive), and likewise upon word-order and word formation.

MATHEMATICS

Mathematics—Two units required.

1. One, one and a half, or two years of high school work in algebra, including the use of exponents and radicals, and the solution of equations of the second degree in one and in two unknown quantities, with work in problems covering the same ground. One to two units.

2. One year in plane geometry, completing the five

books, with abundant practice in original exercises. One unit.

3. One-half year in solid geometry, completing the subject. One-half unit.

FRENCH

One to three units.

1. *Elementary.* Two units. During the first year the work should comprise: (1) careful drill in pronunciation; (2) the rudiments of grammar, including the inflection of the regular and the more common irregular verbs, the plural nouns, the inflection of adjectives, participles, and pronouns; the use of personal pronouns, common adverbs, prepositions, and conjunctions; the order of words in the sentence, and the elementary rules of syntax; (3) abundant easy exercises, designed not only to fix in the memory the forms and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression; (4) the reading of from 100 to 175 duodecimo pages of graduated texts, with constant practice of translating into French easy variations of the sentences read (the teacher giving the English), and in reproducing from memory sentences previously read; (5) writing French from dictation.

During the second year the work should comprise (1) the reading of from 250 to 400 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches; (2) constant practice, as in the previous year, in translating into French easy variations upon the texts read; (3) frequent abstracts, sometimes oral and sometimes written, of portions of the text already read; (4) writing French from dictation; (5) continued drill upon the rudiments of grammar, with constant application in the construction of sentences; (6) mastery of the forms and use of pronouns, pronominal adjectives, of all but the rare irregular verb forms, and of the simpler uses of conditional and subjunctive.

2. *Intermediate.* One unit. This should comprise the

reading of from 400 to 600 pages of French of ordinary difficulty, a portion to be in the dramatic form; constant practice in giving French paraphrases, abstracts or reproductions from memory of selected portions of the matter read; the study of a grammar of moderate completeness; writing from dictation and drill in pronunciation.

SPANISH

One to three units.

1. *Elementary.* Two units. During the first year the work should comprise: (1) careful drill in pronunciation; (2) the rudiments of grammar, including the conjugation of the regular and the more common irregular verbs, the inflection of nouns, adjectives, and pronouns, and the elementary rules of syntax; (3) exercises containing illustrations of the principles of grammar; (4) the reading and accurate rendering into good English of from 100 to 175 duodecimo pages of graduated texts, with translation into Spanish of easy variations of the sentences read (5) writing Spanish from dictation.

During the second year the work should comprise: (1) the reading of from 250 to 400 pages of modern prose from different authors; (2) practice in translating Spanish into English, and English variations of the text into Spanish; (3) continued study of the elements of grammar and syntax; (4) mastery of all but the rare irregular verb forms and of the simpler uses of the modes and tenses; (5) writing Spanish from dictation; (6) memorizing of easy short poems.

2. *Intermediate.* One unit. For intermediate work in Spanish the students should have completed a course similar and equivalent to the intermediate work in French outlined above.

A test of ability to pronounce and understand Spanish when read to the student will be required.

HISTORY

One unit required.

Preparation in history will be given credit upon the basis of time devoted to the study of each branch of the subject, rather than upon the amount of ground covered. The training in history should require comparison and the use of judgment on the pupil's part, rather than the mere use of memory. The use of good text books, collateral reading, practice in writing, and accurate geographical knowledge are essential.

Ancient, Mediæval and Modern, English, or American History may be offered. A full year's work in any one will be credited as one unit. Every applicant should be familiar with American History and Geography, as usually taught in good high schools, and is advised to offer at least one other year in this subject.

CIVICS

One-half unit.

Civil Government. In order that credit shall be given for the study of Civil Government, it must be studied as a separate subject for five periods a week for a half year. The importance of at least an elementary knowledge of this subject to every citizen cannot be exaggerated, and it is hoped that it may form a part of the curriculum of every high school.

PHYSICS

One unit.

One year's work in some good text-book like Gage, Carhart and Chute, or Millikan and Gale, with at least forty hours of laboratory work, and the tender of the laboratory note-book.

CHEMISTRY

One unit.

The study of a standard elementary text-book with

demonstrations by lecture experiments; not less than forty hours of laboratory work, with tender of the laboratory note-book.

BOTANY

One unit.

One year's work in some good elementary text-book, including a careful study of anatomy and morphology; physiology; ecology; the natural history of the plant groups, and classification; at least forty hours of laboratory work and excursions, with tender of laboratory books and drawings.

ZOOLOGY

One unit.

One year's work following a good elementary text-book, with at least forty hours of laboratory work and excursions, with tender of laboratory book with carefully labeled drawings of the chief structures studied anatomically.

BIOLOGY

One unit.

One year's work following a good elementary text-book, with at least forty hours of laboratory work, and excursions covering the elements of Botany and Zoology, with tender of laboratory book with carefully labeled drawings of the structure studied.

PHYSIOGRAPHY

One unit.

The preparation of Physiography should include the study of at least one of the modern text-books, together with an approved laboratory and field course of at least forty exercises actually performed by the student.

PHYSIOLOGY

One unit.

One year's work in some good text-books like Martin's Human Body, elementary course, or the equivalent. The course should include a study of the nature of foods and their history in the body, the essential facts of digestion, absorption, circulation, secretion, excretion, and respiration, the motor, nervous, and sensory functions; and the structures of the various organs by which these operations are performed. A note-book with careful outline drawings of the chief structures studied anatomically should be tendered as part of the examination. The course should have been illustrated by dissections of a cat or other lower vertebrate.

VOCATIONAL SUBJECTS

AGRICULTURE

One unit.

The course should have been guided by a good elementary text-book on Agriculture, with practical demonstrations and experiments by the student in the school-garden or on the farm. Practical experience on the farm will also be counted towards this credit, and where this practical experience has extended over two or more years it may be accepted for the Agricultural course as fulfilling the requirement without the text-book study.

DRAWING

One unit.

A full year's work in freehand and mechanical drawing, including geometrical, plane and solid figures, simple pieces of machinery, with a fair knowledge of the rules of perspective, and light and shade sketching from casts and other objects. Samples of work must be submitted.

DOMESTIC SCIENCE AND ART

One unit.

One full year's work of not less than six hours per

week in cookery, sewing, fitting, or other work usually included in high school courses in this subject. A satisfactory statement from the instructor must be tendered, showing the amount and character of the instruction and practice received.

MANUAL TRAINING

One-half to one unit.

Thorough manual training in wood work. A notebook containing description and sketches of work done is required.

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REQUIREMENTS FOR GRADUATION

DEGREE OF BACHELOR OF ARTS

All applicants for the degree of Bachelor of Arts must complete at least one hundred and twenty-four semester hours, exclusive of laboratory work, in which must be included one year of Mathematics, unless an ancient language is substituted, two years of English, one year of History, one year of Philosophy, one year of Chemistry, Biology or Physics, two years of Bible and the minimum requirements of one foreign language.

The minimum requirement for any foreign language begun in college is eighteen semester hours. When only three units of Latin are offered for admission or when one unit of Greek is offered, twelve semester hours of Latin or Greek are required. When four units of Latin are offered for admission, six semester hours of either Latin or Greek will meet this requirement. As a general principle in determining the value of high school courses for advanced credit in modern languages two units are counted as equivalent to one year of college work.

An applicant for a degree must have a reading knowledge of German, French, or Spanish, and must have attained an average grade of seventy for his entire degree course.

All students must so arrange their courses of study as to include two majors, both of which must be completed in the Senior year, and only one of which may be selected from Science or Mathematics. A major consists of eighteen semester hours in the same subject, which may be pursued either (1) during six consecutive semesters, or (2) during the Junior and Senior years. Thus, the work for neither major may be entered upon until the close of the Freshman year.

One additional elective above the requirements may be taken in the Sophomore, Junior, and the Senior years. Credit for work previously taken may not be used to reduce the required number of courses in any semester.

No student will be permitted to remain in the University longer than one year with any entrance condition.

FRESHMAN YEAR

FIRST AND SECOND SEMESTERS

1. Bible.
2. English.
3. Social and Economic Problems.
4. Mathematics or Latin or Greek.
5. Spanish or German or French.
6. Hygiene and Physiology.

Total, 34 semester hours.

SOPHOMORE YEAR

FIRST AND SECOND SEMESTERS

1. Bible.
2. English.
3. Foreign Language.

4 and 5. One subject from each group:

(a) Biology, Chemistry, Physics, Mathematics, or Latin or Greek.

(b) Economics, Sociology, Psychology, History.

6. Optional Course.

Total, 30 to 36 semester hours.

JUNIOR YEAR

1. First Major.*
2. Second Major.
3. Elective.
4. Elective.
5. Elective.
6. Optional course ———.

Total, 30 or 36 semester hours ———.

SENIOR YEAR

1. First Major, completed.
2. Second Major, completed.
3. Elective.
4. Elective.
5. Elective.
6. Optional course ———.

Total, 30 or 36 semester hours ———.

*For definition of a major, see Requirements for Graduation.

DEGREE OF BACHELOR OF SCIENCE

All applicants for the degree of Bachelor of Science must complete at least one hundred and twenty-four semester hours, in which must be included one year of Mathematics, four years of Science, to be selected from Biology, Chemistry, and Physics, two years of English, two years of Bible, and the minimum requirement in one modern language, as defined under the statement of the requirements for the degree of Bachelor of Arts. However, students electing pre-engineering courses may omit one year of English, but are required to take three years of Mathematics and must elect Mechanical Drawing, Mechanics and Surveying.

An applicant for a degree must possess a reading knowledge of at least one foreign language and must have attained an average grade of seventy per cent for his entire degree course.

Applicants for the degree of Bachelor of Science must arrange their course of study so as to comply with the requirements for two majors, as explained under the requirements for the degree of Bachelor of Arts, with these restrictions, that both majors must be selected from Chemistry, Biology, Physics, or Mathematics.

The requirement as to the number of hours to be selected in each semester and in regard to the removal of conditions is identical with that of the Degree of Bachelor of Arts.

FRESHMAN YEAR

FIRST AND SECOND SEMESTERS

1. Bible.
2. English.
3. Social and Economic Problems.
4. Mathematics.*

*Students enrolled in Mathematics 5 and 6 cannot take Social and Economic Problems.

5. Spanish or German or French.
6. Biology or Chemistry or Physics or Hygiene and Physiology.

Total, 34 to 36 semester hours.

SOPHOMORE YEAR

FIRST AND SECOND SEMESTERS

1. Bible.
2, 3, 4, 5. Two subjects from each of the following groups:
   (a) English, Foreign Language, Economics, Psychology, Sociology, History.
   (b) Biology, Chemistry, Mathematics, Physics.
6. Optional Course.

Total, 30 to 36 semester hours.

JUNIOR YEAR

1. First Major.**
2. Second Major.
3. Elective.
4. Elective.
5. Elective.
6. Optional course ———.

Total, 30 or 36 semester hours.

SENIOR YEAR

1. First Major, completed.
2. Second Major, completed.
3. Elective.
4. Elective.
5. Elective.
6. Optional course ———.

Total, 30 or 36 semester hours.

**For definition of a Major, see Requirements for Bachelor of Arts Degree.

PRE-ENGINEERING COURSE
FRESHMAN YEAR

FIRST AND SECOND SEMESTERS

1. Bible.
2. English.
3. Mathematics.
4. Chemistry or Physics.
5. Mechanical Drawing.

Total, 36 semester hours.

SOPHOMORE YEAR

FIRST AND SECOND SEMESTERS

1. Bible.
2. Mathematics.
3. Chemistry.
4. Physics.
5. Descriptive Geometry and Machine Drawing.
6. Surveying or Mechanics.

JUNIOR AND SENIOR YEARS

Students who desire to fit themselves for responsible positions in the engineering world have found that the best preparation for successful technical work is represented by a Bachelor of Science degree, so differentiated as to afford preparation for the specific field of engineering which they desire to pursue, whether ceramic, chemical, electrical, mechanical, or industrial. A student may enter the best technical schools with advanced standing after the completion of the Freshman and Sophomore years, but he is strongly advised to complete the full four years of college work if he aspires to secure and maintain a position of eminence in his profession. A large number of courses are offered from which selection may be made according to the needs and desires of the individual student.

HONOR COURSES

Honor Courses shall be begun in the Junior year and continued through the Senior year. However, the class of

1921 shall be allowed to become candidates for the Honor Degree on the same terms as classes which will have an opportunity to pursue the Honor Course during two years.

A student taking the Honor Course will confine his work to specializing in two subjects only. The following shall be considered as separate subjects:

Bible.
Biology.
Chemistry.
Economics.
English and Comparative Literature.
French.
German.
Greek.
History and Government.
Latin.
Mathematics.
Philosophy.
Psychology.
Physics.
Sociology.
Spanish.

The Amount of work required for an Honor Course in any subject shall not be less than 2½ times the amount of work required of students pursuing an ordinary third or fourth year course in that subject. The number of classroom exercises required shall be at the discretion of the Professor in charge.

No student shall be classified as a candidate for Honors in any subject without the permission of the Professor in charge of that subject, and the consent of the Faculty. Only students of unusual promise will be allowed to become candidates for the Honors degree.

PRE-MEDICAL COURSE

Students who intend to study medicine should arrange to pursue the following courses: General Biology and

Bacteriology; Inorganic and Organic Chemistry and Physiological Chemistry; French and German for one or two years each, depending on the amount of previous preparation; one year each in Mathematics and Physics; two years at least in English, and additional courses, such as General Psychology, Sociology, Economics and History.

Such a course carried forward to a Bachelor of Arts degree affords that necessary preparation for entrance to the best medical schools in the United States, admission to which is allowed only to those who hold a Bachelor's degree. The schedule outlined above provides the requisite course of preparation for admission to the Medical School of Johns-Hopkins University and covers in every particular the most stringent requirements.

Those students who are unavoidably forced to choose a medical school of lower standing may be prepared for admission by the completion of the Freshman and Sophomore work. This should include Biology, Chemistry, German or French, English, together with such additional courses in Psychology, Sociology and History as the time permits.

The eminent advisability of a full four years' course of study leading to a Bachelor's degree cannot be too strongly emphasized as the minimum cultural and semi-vocational training for the successful practice of medicine.

OTHER PRE-VOCATIONAL COURSES

Many students are now entering college with a definite objective before them for which they desire specific preparation. Southwestern meets this need for a number of vocations.

LAW.

For those who are preparing for the legal profession, invaluable training can be secured in the election of such courses as Economics, Government, General Psychology, Social Psychology, Sociology, Social Pathology, Business Law, together with various courses in History, English, and Latin.

These courses will provide a foundation upon which a solid structure of professional training can be laid and without which a legal training would be lacking in breadth and cultural background.

BUSINESS

Students preparing for active business careers can secure at this University much that will be necessary for the successful conduct of business and will be furnished with those fundamental principles of all business enterprise which represent the necessary equipment of any man expecting to enter into this field of work under modern conditions. Special attention is called to the following courses: Business Organization and Administration, Business Law, Money and Banking, Investments, Business Writing, Journalism, Economics, American Financial History, Sociology, and Psychology. Such additional courses as Advertising, Salesmanship, Insurance, Transportation, and the like are also offered from time to time as the demand for such work arises.

THE CHRISTIAN MINISTRY.

Candidates for the Christian Ministry will find complete and thorough preparation for admission to a Theological Seminary in the regular course leading to a Bachelor of Arts degree. Especial attention, however, should be called to the thorough courses in Biblical history, literature, and philosophy. In addition to the regular courses in Latin and Greek, a course in New Testament Greek may be secured. A wide range of courses of vital importance to a prospective minister is also to be found in the Departments of Philosophy and Psychology and Economics and Sociology.

The fact that a number of the most effective and influential ministers in the South have been trained at Southwestern is indicative of the thoroughness and adequacy of the training which the University affords.

TEACHING.

Special courses are offered for those who are preparing to enter the teaching profession in the History of Education, Educational Psychology and School Administration. The Principles and Methods of Teaching as applied to Mathematics is offered for this year and similar courses are open in other departments when desired. Courses in General Psychology, Sociology, as well as other courses in these departments are of especial importance. Students of this University taking the courses outlined above in connection with their college course leading to a degree are eligible for a teacher's certificate in the State of Tennessee without examination.

GRADUATE WORK

Candidates for the degree of Master of Arts, or Master of Science, are expected to make application to the Registrar for permission to enter upon a course of study for the degree. This application should be made not later than one week before the opening of the University and should contain complete data as to the undergraduate work completed by the candidate. The departments in which he desires to pursue his major and minor courses should also be indicated.

This application will be considered by the Committee on Graduate Instruction and, if favorably acted upon, the candidate will be notified and furnished with the name of the professor whom he must consult and under whose general direction his courses must be pursued.

All candidate for graduate degrees must have a baccalaureate degree from the Southwestern Presbyterian University or from an institution having an equivalent curriculum.

To obtain the degree of Master of Arts or Master of Science at least one year of resident work is necessary and all candidates must possess a reading knowledge of French and German.

The candidate shall select a major subject and one or

two minors. The major work must be undertaken in some department in which there have been completed undergraduate courses of study of such advanced grade as to satisfy the department of his fitness to enter upon graduate work. In cases where two minors are elected, one minor need not be related to the major subject.

The standard of work is a minimum grade of eighty per cent in each course. The amount of work done shall be acceptable to the department concerned and to the Committee on Graduate Instruction. A final examination in each course is held in the case of every candidate for the Master's Degree and is in part oral. The oral examination is open to all members of the Faculty.

A thesis may be required from every candidate for a graduate degree upon some subject set by the professor in charge of the major work for the degree. This thesis must be accepted and approved by this professor before the candidate may be admitted to the final examination, and three typewritten copies of this thesis must be submitted.

Candidates are expected to appear in person at the conferring of the degrees.

COURSES OF INSTRUCTION

ASTRONOMY

This course is an introduction to General Astronomy. Sufficient of the mathematical side of the subject is presented to enable the student to compute, from observations, latitude, longitude, time, and eclipses. The effort is made to develop a thorough knowledge of the solar system, and a partial study of constellations is undertaken. The practical use of instruments is taught. Observations and night work must be done as required. Lectures, recitations and laboratory.

Three hours a week throughout the year. Not open to Freshmen or Sophomores.

THE EDWIN SUMMERS HILLIARD DEPARTMENT OF BIBLE

The prominence given to the study of the English Bible is one of the distinctive characteristics of this institution. The Bible as the inspired Word of God, the infallible rule of faith and practice, has always held a central place in this curriculum. That a knowledge of the Bible is essential to a liberal education has been assumed as axiomatic, and therefore two years of Bible is required for every candidate for a degree.

Through the years there has been gathered a large library, together with maps and charts, which furnish unusual advantages to Bible students. It remained, however, for Mr. E. S. Hilliard, of Grand Lake, Arkansas, to add the crowning beneficence. In June, 1919, Mr. Hilliard gave to the University fifty thousand dollars, under the following terms as stated in his gift:

> "The object and purpose of this gift is to endow perpetually the department of Bible instruction in said University, to be known and designated as "The Edwin Summers Hilliard Department of Bible."

This munificent gift has made it possible for the Board of Directors to enlarge the Bible Department by securing an additional professor, thus providing for the establishment of additional courses, and, in consequence, for the better development of the students. The Reverend Charles Flinn Arrowood has been added to the Faculty, and he will begin his work in this Department in September, 1920. Mr. Arrowood is a graduate of Davidson College and of Union Theological Seminary, Richmond, Virginia, having received respectively from these institutions the degree of Bachelor of Arts and the degree of Bachelor of Divinity. In addition he has secured his Bachelor's degree and his Master's degree from Rice Institute.

The courses in Bible are not sectarian, but they are thorough, and they measure up to every standard for collegiate work. In all the courses the effort is made to present the material in such a manner that it will not be wholly technical, but shall have practical bearing upon the student's life. The study is, therefore, made one of historical interest, of educational value, and of practical effect. The Bible is regarded as a living Book, with a vital, throbbing message for the men and women of today.

As a stimulus to scholarship in this department the Stewart Bible Medal, provided by Mrs. Bryce Stewart, is presented to the student who completes the course of study in English Bible with the highest grade above distinction.

1. *History of the Jewish People.*—This course includes a study of the early historical records, and of the political, social and cultural development of the Jewish people from the Egyptian bondage to the destruction of the Jewish State by Rome. The Old Testament is read, and the student is required to become familiar with the physical and historical geography of Palestine and of the larger world in which the Jews lived and developed; with the leading races and with the intellectual and social forces with which they came in contact; with the important periods, characters, and events in their history; with the ways in which their institutions such as the family, the state, the church, and the school developed; and with the gradual un-

folding of those spiritual and democratic ideals which constitute the chief contributions of the Jews to the faith and civilization of mankind.

Required of all Freshmen. Three hours a week, first semester.

2. *Narratives and Songs of the Old Testament.*—This course is a study of the Old Testament masterpieces in the light of their historical and geographical setting. It aims to enable the student to understand and assimilate the thought, and to appreciate the beauty and spiritual inspiration of these narratives and songs, to vitalize or dramatize each narrative, to trace the development of the thought in each song, and to help him to formulate the principles of life which each narrative or song sets forth. The main emphasis is placed on the mastery of the contents and on intellectual and spiritual inspiration, rather than on the minute analysis of the literary form of each narrative or song.

Required of all Freshmen. Three hours a week, second semester.

3 and 4. *The Life and Work of Jesus and Paul.*—This course includes a study of Christianity from the birth of Jesus to the persecution of Domitian. It is designed to give students such a vivid impression of the personality and work of Jesus and His early followers that they will spontaneously accept and apply His principles of living. Study is made of the historical and geographical setting of the events; of the convictions and hopes in the minds of the people; of Jesus' early home training; of His purposes and plans and methods; of the conditions which confronted Him; of His teachings regarding the right relation between God and man, between man and his neighbor, regarding each man's duty to society, the use of wealth, and the essentials for true happiness; of the events which led to His death; and of the fact and significance of His resurrection.

The course continues with a study of His followers and their labors, the life of the early Christian communities at Jerusalem and Antioch, Paul's personality and early train-

ing, his conversion and the successive stages in his work, his chief social teachings as recorded in his epistles, the hopes and experiences of Jesus' followers during the last half of the first Christian century, and the contributions of early Christianity to human thought and civilization.

Required of all Sophomores. Three hours a week, both semesters.

5. *The Distinctive Ideas of the New Testament.*—A careful and reverent study of the basic ideas of Jesus and the New Testament writers which have molded and directed the lives and characters of men, which have modified the currents of history, which have contributed to the spread of democracy, and which have brought about the present status of philanthropic and humantarain interest.

Three hours a week, first semester. Elective for Juniors and Seniors.

6. *The Distinctive Ideas of the Old Testament.*—This course will consist of a comprehensive survey of the fundamental spiritual, social, and economic concepts as taught by the writers of the Old Testament. Such subjects will be stressed as Monotheism and its influence on racial development, the Mosaic legislation, personal righteousness, individual responsibility, the conception of family life, social justice, the hope of immortality, the problem of suffering, and the power of the Messianic expectation.

Three hours a week, second semester. Elective for Juniors and Seniors.

7. *Religious Pedagogy.*—A study of the principles and methods of religious instruction as developed in the Sunday School. Particular attention is given to the psychology of childhood and the problems of adolescence, and emphasis will be placed upon Teacher Training Classes, Sunday School management and administration, and allied subjects.

Three hours a week, first semester. Elective for Juniors and Seniors.

8. *Missions and Community Service.*—This course provides for a study of the fundamental basis of the mis-

sionary spirit from the Scriptural, the economic, and the sociological viewpoint. Special consideration will be given to the problems of the rural church, the city mission, the community center, and to organized philanthropy. The endeavor will be made in this course so to equip the student that he will be enabled to render effective and intelligent service to his church and community.

Three hours a week, second semester. Elective for Juniors and Seniors.

9 and 10. *Apologetics and Theism.*—This course is practical, and is designed to set forth the proofs that Christianity is the supernatural and exclusive religion. It aims not only to arouse the admiration, to quicken the faith, and to stimulate the loyalty of the student to this system of revealed truth, but also to enable him to vindicate it from open assaults and to defend it from insidious teachings and tendencies. The course includes an examination into natural theology, a study of the Supernatural as opposed to Agnosticism, Monism, Pluralism, Pantheism, and Religious Positivism; a consideration of the experimental, the internal, the external, and the collateral evidences of Christianity, with especial emphasis on the Deity of Jesus, and the great apologetic of the perfection of His character and the universality of His influence. Lectures, recitations, assigned readings, and papers. Text books used are Butler's Analogy, Flint's Theism, Biblical and Theological Studies by the Faculty of Princeton Seminary, Bushnell's Nature and the Supernatural, Kellogg's Genesis and Growth of Religion. This course was given in 1919-20, and will be given in alternate years.

Three hours a week, both semesters. Elective for Seniors.

11. *The New Testament in Greek.*—The first three Gospels will be read, and lectures and informal discussions given, to serve as a basis for an introduction to some of the problems involved and their treatment in the light of modern scholarship.

Three hours a week the first semester. Prerequisite, Greek 1 and 2, or equivalent.

12. *The New Testament in Greek.*—The fourth Gospel is studied carefully in its relation to the other three Gospels and to the rest of the New Testament. The Pauline Epistles are read, with discussions of the influence of Paul upon early Christian doctrine.

Three hours a week the second semester. Prerequisite, Greek 1 and 2, or equivalent.

BIOLOGY

1. *Human Physiology.*—A study of the structure and processes of the human body designed to furnish the student a sound scientific basis for understanding the principles of hygiene as applied to personal and public health.

First semester, two hours per week. Required of all Freshmen for A.B. Elective for B.S.

2. *Hygiene and Sanitation.*—In this course the fundamental laws of Hygiene are emphasized with a view to giving the student the necessary knowledge for practical application in matters of Sanitation. Prevention of disease is the topic mainly dwelt upon.

Second semester, two hours per week. Required of all Freshmen for A.B. Elective for B.S.

3 and 4. *General Biology.*—This course consists of an introduction to general Biology and will serve as a foundation for advanced work in either Zoology or Botany. It is the basis for all other courses in Biology. The work is devoted to a study of the fundamental biological laws relating to both plants and animals. The course is constructed so as to have the greatest possible general cultural and educational value for students who do not intend to specialize in this field, as well as furnishing a broad foundation for those who do. Recitations and lectures.

Recitations and lectures, three hours a week. Laboratory not less than two hours a week. Prerequisite for all other courses in Biology.

5 and 6. *Bacteriology.*—This course is an introduction to general Bacteriology and is designed to serve especially the needs of students looking forward to courses in med-

icine, sanitation or related work. It is, however, eminently practical, and the course will be a valuable asset to any one's knowledge. Not only pathogenic organisms, but in a general way all the micro-organisms that are known to affect any of man's activities are considered. The microscopy and bacteriology of water and milk are especially emphasized.

Recitations and lectures three hours a week. Laboratory not less than four hours a week.

7 and 8. *General and Comparative Zoology.*—A general but careful survey of the whole animal kingdom with special emphasis laid upon comparative structure and physiology. The latter part of the year will be devoted to developing in greater detail the knowledge of some important subdivision of the animal kingdom to be selected by the class and instructor.

Recitations and lectures three hours and laboratory not less than two hours a week. Students who elect Biology as a major subject, see also Chemistry 7 and 8.

9 and 10. *Economic Entomology.*—This course combines both a study of the plant kingdom and entomology. It deals primarily with relationships of crops and insects, and every effort is made to keep the very practical phase of the subject constantly before the student. The work will be particularly interesting and valuable to those interested in any branch of agriculture.

Recitations and lectures three hours a week. Laboratory and field work is required. Students who elect Biology as a major subject, see also Chemistry 7 and 8.

CHEMISTRY

1 and 2. *General Chemistry.*—This year is devoted to general inorganic Chemistry with a brief outline and introduction to the chemistry of the more common carbon compounds. It is the basis for all other courses in Chemistry and at the same time is designed to give students who may not specialize in Chemistry a broad cultural course in the subject.

Recitations and lectures three hours a week, laboratory not less than two hours. Prerequisite for all other courses in Chemistry.

3 and 4. *Analytical Chemistry.*—A course in Qualitative Analysis and Volumetric Qualitative Analysis. This course begins with systematic basic and acid qualitative analysis and then proceeds to quantitative analytical methods. Special emphasis is laid upon current methods used in industrial processes. Every effort is made to have the student thoroughly grounded in analytical principles as well as to develop a high grade of technical skill in practical analytical methods.

Recitations and lectures two hours a week, laboratory not less than four hours.

5 and 6. *Organic Chemistry.*—This is a general course in Organic Chemistry, with special emphasis laid upon structure and relationship of the carbon compounds. This course will be of great value to those contemplating the study of medicine or specializing in foods or drugs, as well as of general interest.

Recitations and lectures three hours and laboratory not less than two hours a week.

7 and 8. *Physiological Chemistry.*—(This course can be offered in lieu of one course in Biology provided the prerequisites for admission are satisfied.) A special course particularly adapted to those contemplating the study of medicine, or becoming clinical laboratory workers. The practical side of the subject, both in class room and laboratory, is especially emphasized. Chemistry 5 and 6 and Biology 3 and 4, or equivalent courses, are prerequisites for admission.

Recitations and lectures two hours, laboratory not less than four hours a week.

COMPARATIVE LITERATURE

This course is complementary to the advanced courses in English and should be taken in connection with them.

Its object is to introduce the student to the masterpieces of foreign literature through the medium of the best English translations.

Open to Juniors and Seniors, and to such others as may obtain the special permission of the instructor to enroll for the course. Not offered unless elected by at least five students. Not given 1920-21. Introduction to European literature with special attention to classical literature and the Renaissance.

ECONOMICS

1 and 2. *Social and Economic Problems.*—Believing that it is the function of liberal education to relate a man to the human situation as soon as he is able to appreciate membership in a social group, this course is designed to point out to the Freshman the vital and absorbing problems of life in their social and economic aspects. This course does not endeavor to present more than a mere outline of the institutions upon which the social structures rests, but it rather is intended to bring home to the student the fact of society and his own part in it and responsibility to it. Thus emphasis is placed on the relation of the individual to the group; the function of the family; social control by education, religion, social pressure; problems connected with labor and the existing industrial economy; poverty; crime; the position of woman and the rights of childhood.

The course is illuminative rather than conclusive and aspires only to awaken the mind of the student to the presence and importance of the problems and to arouse an intelligent interest rather than to present any tentative solutions or to encourage the belief that sufficient data has been presented to permit of any definite conclusions.

No text books will be used in this course, which will be conducted through lectures, assigned readings, the preparation of frequent essays, and written tests.

Two hours a week throughout the year.

3 and 4. *General Economics.*—This course is a study of the leading principles of economic science, affording a

general survey of industrial society, its structure, its institutions, its operations. An effort is made to furnish the student with the fundamental theories of economics during the first semester. During the second semester these will be applied to the more outstanding economic problems of the present time.

The course is conducted by means of the text-books, collateral reading, the preparation of papers on assigned topics, and lectures.

Three hours a week throughout the year. Not open to Freshmen.

5. *Business Law.*—This course is designed to familiarize the student with the fundamentals of law as it is applicable to ordinary business procedure. The general principles of the law regarding contracts, bailments, insurance, sales, negotiable instruments, agency, and the like will be considered.

First semester. Not open to Freshmen.

6. *Business Organization and Administration.*—This course is especially designed for those who are preparing for business as a distinct profession. The forms of organization with special reference to the partnership and corporation, business systems and methods, cost-keeping, selling, advertising, credits and collections will each receive attention.

Second semester. Not open to Freshmen.

7. *Financial History of the United States.*—Early colonial financial legislation, the establishment of a national system, United States banks, the independent treasury, the various banking and tariff acts, together with a consideration of public revenues and expenditures will form the content of this course.

Second semester. Open to students majoring in history or economics.

8. *Economic History of the United States.*—The topics covered in this course include a study of population,

immigration, agriculture, mining, manufacture, relations of labor and capital, domestic and foreign trade and railroad expansion.

Second semester. Requirements for admission the same as in Course 7.

9. *Money and Banking.*—The principal forms of money and credit as at present in use and the fundamentals of banking with a study of the various forms of banking institutions will be considered.

First semester. Course 1 prerequisite.

10. *Investments.*—The field of investment will be covered in as detailed manner as possible, including railway, mining, and industrial securities, together with the bonds of government and municipalities. The aim of the course is so to train students as to enable them to make wise and conservative investments.

Second semester. Course 1 prerequisite.

11 and 12. *Sociology.*—This course is planned to present to the student a general consideration of the facts of social organization, social development, social control, social pathology, and social ideals. Some specific social problem is selected from year to year for more detailed study. In addition, a large amount of reading is assigned dealing with the practical social problems; the family; the child; delinquents, defectives, and criminals; the city; immigration; the negro; poverty and pauperism. Written reports are required from time to time.

Three hours a week, both semesters. Not open to Freshmen.

13. *Social and Applied Psychology.*—The psychological process of groups, with a study of suggestibility, imitation, invention, etc. Attention will be given to present-day application of the principles involved to industry, institutional life and legal procedure.

First semester. Course 11 and 12 is prerequisite.

14. *Social Pathology.*—A general study of poverty, pauperism, unemployment, epilepsy, insanity. Special emphasis will be placed upon crime as a sociological problem.

Second semester. Course 11 and 12 is prerequisite.

EDUCATION

1. *History of Education.*—This course is a study of educational principles and practice, systems and educational theorists among ancient and mediæval people.

First semester. 3 hours.

2. *History of Modern Education.*—Beginning with the reforms of the seventeenth century, a study is made of the growth of realism. The influence of Rousseau, and the educational evolution of Germany, France, England, and America, under the leadership of Pestalozzi, Herbart, Arnold, Spencer, Mann, and others.

Second semester. 3 hours.

3. *Educational Psychology.*—The application of the processes usually treated in general psychology to the technique and economy of the learning process. Emphasis is placed on the study of instinct, habit, perception, memory, conception, judgment, and reasoning. Experiments in mental measurement, lectures and assigned reading.

First semester. Psychology 1 and 2 prerequisite.

4. *Principles of School Management.*—A study of the organization of education in the United tates, with special emphasis on the aim, methods, and current problems of secondary education. Observation work and practice teaching.

Second semester. Psychology 1 and 2 prerequisite.

ENGINEERING

For those students selecting their major subjects in Science and who expect to pursue further one of the full four-year courses in Engineering at one of the more highly

specialized technical universities; or who may wish to prepare themselves for an industrial career, executive in character, in the shop or factory; or who may wish to make themselves immediately useful in an engineering office or in the field; the courses in the Junior Engineering Department are offered.

The subjects given in this department are those ordinarily required of all engineering students, and embrace the work done in the first two years of standard four-year courses in engineering; and, besides, as much additional instruction in the elements of engineering as is possible in the time available.

1. *Mechanical Drawing.*—Instruction in the care and use of instruments. Drawing practice and instruction in freehand drawing, lettering, geometrical construction, methods of representation, orthographic projection. Lectures, recitations, and work in drawing room.

Six hours a week in the drawing room, first semester.

2. *Mechanical Drawing.*—Continuation of Course 1. Orthographic projection, intersections and developments, isometric projection, detail drawings of machine parts, tracing and blue printing.

Six hours a week in the drawing room, second semester.

3. *Descriptive Geometry.*—Orthographic projections as applied to the solution of problems relating to points, lines, planes, and surfaces; intersections and developments together with practical application.

Prerequisite, Engineering 1 and 2. Required of all Engineering students. Three hours, first semester.

4. *Machine Drawing.*—Drawing of machine details, properly dimensioned, study of conventional representations and the making of working drawings of simple machines from measurements.

Prerequisite, Engineering 3. Required of all Ceramic, Chemical, Mechanical and Mine Engineering students. Three hours, second semester.

5. *Land surveying.*—Use and adjustments of the surveying instruments and methods of making land surveys.

Lectures, recitations and field work each week.

Prerequisite. Mathematics 5 and 6. Required of all second year students in Engineering. Four hours, first semester.

6. *Railroad Surveying.*—Theory of simple, compound, and transition curves; changes in alignment, frogs, switches and cross-overs; theory of grades, vertical curves, cross-sectioning and calculations of earth works.

Prerequisite, Engineering 5. Required of all second year Civil Engineering students. Four hours, second semester.

7 and 8. *Elementary Statics and Dynamics* of a particle and rigid bodies. Elastic properties of materials, analyses of stresses in beams, columns and shafts. Elementary principles of the mechanics of fluids and of hydraulic motors.

Prerequisite, Mathematics 7 and 8. Four hours, both semesters.

ENGLISH

The primary aim of the work in English is to secure for the student the maximum of efficiency in his knowledge of English literature and composition. The courses are designed (1) to train the student in correct and effective expression of his thought; (2) to give him a general historical and critical knowledge of English and American literature; (3) to cultivate in him the ability to interpret and enjoy literature.

1. *A Humanistic Study of Representative Masterpieces of Modern Literature.*—The aim of this course is to arouse in the student an interest in modern literature by stressing the connection between literature and the great problems of modern life, and through his interest to develop an intelligent appreciation of our great writers. In addition to the texts prescribed for class-room study and discussion, a considerable amount of private reading, tested

by monthly abstracts and reports, will be required. The works assigned to each student for outside reading are selected with careful consideration for his tastes, his interests and the stage of intellectual development at which he has arrived.

Two hours a week, first semester of Freshman year.

2. Course 1 continued.

Two hours a week, second semester of Freshman year.

3. *Rhetoric and Composition.*—Careful study of the principles of composition with emphasis upon their practical application in life. Weekly themes.

Two hours a week for both semesters of the Freshman year. Course 1, 2 and 3 are required of all Freshmen.

4. *Shakespeare.*—Critical study is made of a group of Shakespeare's representative plays. The student is given a thorough knowledge of the dramatist's development and the general conditions of the Elizabethian theatre. Composition work based upon topics of class study.

Three hours a week, first semester of Sophomore year.

5. *Nineteenth Century Poetry.*—A study of the representative English poets of the nineteenth century as exponents of the philosophy and literary ideals of their period. The study of poetry in its relation to life is a strongly emphasized aim of the course. Class themes.

Three hours a week, second semester of Sophomore year.

6. *Practical Journalism.*—A study of modern newspaper work, including news-writing, editorial paragraph and short story.

Three hours a week, second semester. Elective for Sophomores, Juniors and Seniors.

7. *Business Writing.*—Study and practice in business correspondence, advertisement-writing and commercial forms.

Three hours a week, first semester. Elective for Sophomores, Juniors, and Seniors.

8. *English Versification and the Writing of Poetry.*—Study of English prosody. Principles and practice of the writing of verse, based upon studies in comtemporary poetry.

Three hours a week, first semester. Elective for Juniors and Seniors.

9. *Advanced Composition.*—The purposes of this course are to acquaint the student with the principles that underlie the best writing of to-day and to give him practice in the composition of the various forms of the modern essay, the short story and the one-act play.

Three hours a week, second semester. Elective for Juniors and Seniors.

10. *The Great English Essayists.*—The historical development of the essay is studied, specially intensive work being done in the nineteenth century essayists.

Three hours a week for first semester. Elective for Juniors and Seniors.

11. *The Novel and Short Story in English.*—The growth of these forms is carefully traced, and representative specimens are read and analyzed.

Three hours a week, second semester. Elective for Juniors and Seniors.

12. *English Drama.*—A study of the origin of the English drama and its development from medieval times to the beginning of the modern period. Foreign influences are given due prominence, and the growth of the English drama is viewed in its general relation to the development of continental drama.

Three hours a week, first semester. Elective for Juniors and Seniors.

13. *Modern European and American Drama.*—A study of forces and tendencies in modern drama based upon a carefully selected group of dramatists. Parallel reading. Themes based upon class study and reading.

Three hours a week, second semester. Elective for Juniors and Seniors.

14. *Chaucer and Spenser.*—A linguistic and literary study of the two poets as representatives of their respective periods.

Three hours a week, first semester. Elective for Juniors and Seniors.

15. *The Era of English Romanticism.*—A study of the causes, the ideals and the influences of English romanticism in the eighteenth and nineteenth centuries. Reading and criticism of the representative works of the period.

Three hours a week, second semester. Elective for Juniors and Seniors.

16. *Anglo-Saxon Literature.*—Grammatical study and reading of specimens of Anglo-Saxon prose and poetry. History of the English language.

Three hours a week, first semester, and second semester. Elective for Juniors and Seniors.

17. *American Literature.*—A study of the representative productions of American literature as an expression of the social and intellectual forces that have shaped American life and history and formed the national ideals.

Three hours a week, first and second semesters. Elective for Sophomores, Juniors and Seniors.

FRENCH

The courses in this department aim to give to the student, first, a sound reading knowledge of the language; second, a comprehensive view of the literature, history, institutions and manner of life and thought of the French people. Extensive parallel reading, selected as far as possible along the line of the student's interests and tastes and thoroughly tested by written abstracts, forms the bulk of the work assigned for preparation; translation and discussion of the masterpieces of French literature, together with

lectures on the literature, history and social conditions forms the class-room work of the higher courses.

Courses in French Composition and Conversation, and in Scientific French are also offered.

ORDINARY COURSES.

1. Grammar; pronunciation; reading of texts of moderate difficulty; constant practice in sight translation. In 1919-1920 Maupassant's Contes Choisis (Marcel Prevost's edition) was the text assigned for class-room study. Erckmann-Chatrian's Madame Therese was assigned for outside reading.

Three hours a week in the first semester.

2. A continuation of course 1. Gyp's Bijou was the text assigned for class-room study.

Three hours a week in the second semester.

3. An introduction to the French Novel and Short Story. In 1919-1920 Lichtenberger's Mon Petit Trott and Victor Hugo's Quatre-Vingt-Treize were the texts assigned for class-room study. The material for outside reading was selected from the short stories of Balzac, Coppee, Erckmann-Chatrian, Gautier, Maupassant and Musset.

Three hours a week in the first semester.

4. Continuation of the study of the short story. Introduction to French Comedy. In 1919-1920 Moliere's L'Avere and 4 Plays of Labiche were assigned for class-room study. The material for outside reading was selected from the short stories of Daudet, Flaubert, Merimee and Zola.

Three hours a week in the second semester.

22. *Scientific French.*—In 1919-20 the material for class-room study was drawn from Buffon's Histore Naturelle, Davies' Elementary Scientific French Reader and

Bowen's First Scientific French Reader were assigned for outside reading.

Three hours a week in the second semester.

5. (To alternate with course 7).

France to the close of the Middle Ages.

In 1919 and 1920 one-third of the class-room time was devoted to a study of La Chanson de Roland, one-third to lectures on the history of French Literature with illustrative readings by the instructor from the works of the more important authors; one-third to lectures on the history, political, economic, social and religious, of the French people during the Medieval period. Aucassin et Nicolette and other Fabliaux and Contes were assigned as special texts for the semester examination. About nine hundred pages of parallel reading tested by written reports were required of each student.

Three hours a week in the first semester.

6. (To alternate with course 8).

France from the Renaissance to the Revolution.

In 1919-1920 one-third of the class-room time was devoted to the study of selected plays of Racine and Moliere. The remainder of the class-room time was distributed along the lines indicated in course 5. Selections from Calvin were assigned as a special test for the semester examination. A thousand pages of parallel reading tested by written reports were required.

Three hours a week in the second semester.

N. B. Courses 5 and 6 alternate with courses 7 and 8 and will not be offered in 1920-1921.

7. France from the Revolution to the Second Empire. Class-room work and parallel reading arranged as in course 5.

Three hours a week in the first semester.

8. France from the Second Empire to the present day. Class-room work and parallel reading arranged as in course 5.

Three hours a week in the second semester.

HONOR COURSES

To be admitted to these courses a student must obtain the recommendation of the Professor in charge and permission of the faculty. No student will be recommended who has not completed two years of College French and who has not obtained Junior standing. The Honor Course in French will require one-half of the student's working time.

In 1920-21 the work prescribed for Honor Students will be as follows:

A. Courses 7 and 8 as outlined above.

B. Courses 33 and 34. *Composition and Conversation.*—The work of this course will include a detailed study of French grammar. There will be constant practice in writing and speaking French, special attention being given to the commercial side of the language. Great importance is attached to the acquisition of an extensive vocabulary. An oral as well as a written examination will be required.

Three hours a week through both semesters.

C. Courses 51 and 52. The French Lyric in the nineteenth century. A study of the poetry of Lamartine, Vigny, Heredia, Leconte de Lisle and Victor Hugo.

One hour a week through both semesters.

D. Additional outside reading. The French Novel and Short Story. The amount of private reading required in each semester will be about two thousand pages.

GRADUATE COURSES

101-102. *French Fiction.*—Required of all candidates

for the Master's Degree who major or minor in French.

103-104. *The French Drama.*—Required of all candidates for the Master's Degree who major in French.

Each of these courses will require one-third of the student's working time during the year.

GEOLOGY

The work in this course covers a period of one year, and is an introduction to the elements of General Geology. Sufficient Zoology should be had by the student to enable him to understand Paleontology. Good use is made of the large collection of minerals and fossils in the cabinets of the institution. Every effort is made to render the subject practical by field work done as required. Lectures and recitations.

Three hours a week throughout the year. Not open to Freshmen or Sophomores.

GERMAN

The courses in German are designed primarily to give the student an appreciation of the spirit and ideals of the German people, with a view to familiarizing him with the great achievements of the German mind in the past rather than with its aberrations in the present. In all courses, however, texts illustrating the spirit of present day Germany and in particular texts dealing with the Great War form an important part of the prescribed reading.

ORDINARY COURSES

1 and 2. The work of the year will include: Grammar; pronunciation; reading of texts of moderate difficulty; constant practice in sight translation.

Bacon's New German Grammar; Fick's "Dies and Das"; "Hin und Her"; and "Alt und Neu"; Goethe's "Die Neue Melusine", and Frennsen's "Peter Moor" will be the texts studied.

No credit towards any degree is given for these courses until four additional courses in German have been completed.

Three hours a week through both semesters.

3 and 4. Reading of advanced prose texts with practice in advanced translation. Sudermann's Frau Sorge and Der Katzensteg; Bernhardt's Krieg und Frieden and Von Muecke's Emden will be the texts studied.

Three hours a week through both semesters.

5. *The Masterpieces of the German Drama.*—Goethe, Lessing and Schiller. Lectures on German Literature and History. Extensive private reading with abstracts and reports. (To alternate with course 7; will not be given in 1920-1921).

Three hours a week in the first semester.

6. *The Masterpieces of the German Drama.*—Grillparzer, Hauptmann, Hebbel and Kleist. Lectures on German Literature and History. Extensive private reading with abstracts and reports. (To alternate with course 8; will not be given in 1920-1921).

Three hours a week in the second semester.

7. *The German Novel and Short Story.*—Goethe, Heyse, Keller, Kleist and C. F. Meyer. Lectures on German Literature and History. Extensive private reading with abstracts and reports.

Three hours a week in the first semester.

8. *The German Lyric.*—Goethe, Heine, Schiller and Uhland. Lectures on German Literature and History. Extensive private reading with abstracts and reports.

Three hours a week in the second semester.

HONOR COURSES

The regulations governing the question of a student's admissability to the Honor Courses in German are similar

to those governing admission to Honor Courses in French.

In 1920-1921 Honor students will pursue the following program of studies which will occupy a full half of the student's working time.

A. Courses 7 and 8, as outlined above.

B. Courses 33 and 34. *Composition and Conversation.*—The work of this course will include a detailed study of German grammar. There will be constant practice in writing and speaking German, special attention being given to the commercial side of the language. Great importance is attached to the acquisition of an extensive vocabulary. An oral as well as writen examination will be required.

Three hours a week through both semesters.

C. Course 51. *The Minor German Dramatists.*—Lectures and Reports.

One hour a week in the first semester.

Course 52. *The Minor German Poets.*—Lectures and Reports.

One hour a week in the second semester.

D. Extensive private reading in the Minor Dramatists and writers of fiction since the death of Goethe.

GRADUATE COURSES

101 and 102. Detailed study of German Literature from 1748-1832. Required of all candidates for the Master's Degree who major or minor in German.

103 and 104. Detailed study of German Literature from 1832-1920. Required of all candidates for the Master's Degree who major in German.

GOVERNMENT

Government 1. The Government of the United States, national, state and municipal This course deals with the

historical basis of our federal institutions, and their evolution up to the present date; the general features of our state government with particular reference to the Southern states; the growth of American cities, the organization of municipal government and the recent development of municipal reform. This course is open only to those who have had a college course in American history.

Three hours a week in the first semester.

Government 2. European Governments. This course will describe the systems of government, national and local, of the leading European states, and will deal fully with the theories of the state on which these systems are based. Comparisons and contrasts will be continually drawn with the American systems and theories of government. This course is open only to those who have had a college course in European history.

Three hours a week in the second semester.

GREEK

The courses in the classics are conducted with a view to the early acquisition of a ready reading knowledge of the language and sympathetic appreciation of the literature, the life, customs, and institutions of the ancient Greeks and Romans. Their chief purpose is to give the student an acquaintance with those features of Greek and Roman civilization which are indispensable for an intelligent comprehension of the basic principles of our own. Much time is devoted to sight reading, which is taken up at a very early stage of the course. The masterpieces of the literature are studied primarily as works of art rather than as material for grammatical drill.

1. Course for beginners. Forms, inflections and essential constructions of the language; practice in sight translation and a limited amount of prose composition. The first half of Book I of the Iliad is read.

Three hours a week in the first semester.

2. Course for beginners (continued). A continuation of Course 1. Book I of the Iliad is completed and extracts from the Odyssey are read, with informal discussions of the Greek epic and its relations to later European literature. Review of forms, further drill in syntax, and additional practice in sight translation.

Three hours a week the second semester.

3. Homer and the Greek Epic. Representative selections from the whole of the Homeric poems are studied carefully for form and content. Informal lectures on Homeric life in the light of modern investigations. Reports and papers by the members of the class. A brief survey of the later Greek epic.

Three hours a week the first semester. Prerequisites, Greek 1 and 2, or their equivalent.

4. The Lyric Poets and Euripides. Selections from the Lyric poets and the whole of the Hecuba of Euripides are read, with particular attention to their literary form. Informal lectures on the Greek Lyric and Drama; sight reading, and reports by the students.

Three hours a week the second semester. Prerequisite, Greek 1 and 2, or their equivalent.

5. Herodotus. The histories of Herodotus, with lectures on the writing of ancient and modern history, and with some training in the methods of modern historical criticism. A considerable amount of collateral reading is required; reports by the members of the class. Alternating with Greek 7. Not given in 1920-21.

Three hours a week the first semester. Prerequisites, Greek 1, 2 and 3, or their equivalents.

6. Plato. The Apology and Phaedo, with selections from other dialogues, are read and studied as a basis for an introduction to the history and development of Greek philosophy and its influence on the course of later European thought. Alternating with Greek 8. Not given in 1920-21.

Three hours a week the second semester. Prerequisite, Greek 3 or 4, or equivalent.

7. The Greek Drama. A careful study of representative plays of Aeschylus and Sophocles, with informal lectures on the rise and development of the Greek drama, dramatic structure, Greek theaters, and the presentation of Greek plays. Alternating with Greek 5. Not given in 1919-20.

Three hours a week the first semester. Prerequisite, Greek 3 or 4, or equivalent.

8. The Greek Drama (continued). The Alcestis of Euripides, and representative plays of Aristophanes and Menander are read and studied, with particular reference to Greek public and private life. The influence of the old Greek comedy in Athenian politics; a comparison of the later Greek comedy with modern comedy. Alternating with Greek 6. Not given in 1919-20.

Three hours a week the second semester. Prerequisite, Greek 3 or 4, or equivalent.

9. The New Testament in Greek. The first three Gospels will be read, and lectures and informal discussions given, to serve as a basis for an introduction to some of the problems involved and their treatment in the light of modern scholarship.

Three hours a week the first semester. Prerequisite, Greek 1 and 2, or equivalent.

10. The New Testament in Greek. The fourth Gospel is studied carefully in its relation to the other three Gospels and to the rest of the New Testament. The Pauline Epistles are read, with discussions of the influence of Paul upon early Christian doctrine.

Three hours a week the second semester. Prerequisite, Greek 1 and 2, or equivalent.

HISTORY

1 and 2. *General European History.*—The aim of this course is to acquaint the student with the progress of Western Europe in civilization and political organization through the period of the Middle Ages, the Renaissance,

the Reformation, closing the study with the fall of Napoleon and the Congress of Vienna. The earlier periods will be briefly considered, while a more intensive study will be made of the period of the French Revolution. Alternating with History 3 and 4.

The method of instruction comprises the use of text-books, collateral reading, the preparation of frequent essays, and written tests.
Three hours a week throughout the year.

3 and 4. *Modern European History.*—This course is a general survey of the field of European history from the Congress of Vienna to the present time. In the first semester especial attention is given to constructive movements in the development of Italy, Germany, France, and Austria-Hungary. The work of the second semester will be directed towards the study of constitutional progress, colonial expansion, and international relations as affecting England and the continental European states. Alternating with History 1 and 2.

The method of instruction followed in History 1 will be continued in this course.
Three hours a week throughout the year.

5 and 6. *The History of the United States.*—The work of the first semester deals with the discovery and settlement of America, colonial life, the growth of Americanism, the period of the Revolution, and the formation of a federal government.

The second semester will be given to the study of the political and constitutional development under the new constitution, the rise of sectional antagonism, the Civil War, the Reconstruction, the appearance of currency and tariff contests, the westward expansion, and the present international situation.

Text-books will be used in the course merely as a guide, while the emphasis will be placed upon extensive collateral reading, lectures, the preparation of papers and frequent written tests.
Not open to Freshmen.
Three hours a week throughout the year.

7 and 8. *Economic and Financial History of the United States.*—The main topics covered in this course are population, immigration, agriculture, mining, manufactures, labor conditions, domestic and foreign trade, railroad expansion, tariff, money, banking, public revenues and expenditures.

This course is open only to students electing History or Economics as a major study. Prerequisites: History 5 and 6 and Economics 3 and 4.

LATIN

1. *An Introduction to Latin Poetry.*—Reading of the Aeneid and a study of the most important topics connected therewith. Special work and reports by the students. Much practice in the metrical reading of the poems, with a study of the structure of the Latin hexameter.

Open only to Freshmen offering three units of Latin. Three hours a week the first semester.

2. *Vergil's Georgics and Bucolics.*—Selections from the Bucolics and Georgics are read and studied with reference to their models and to their influence on later literature.

Three hours a week the second semester.

3. *Ovid.*—Selections from the Metamorphoses are studied as literature and as material for an introduction to classical mythology. The life and times of Ovid as seen in his other works.

Three hours a week the first semester. Prerequisite, Latin 1 or 2.

4. *Horace and Pliny.*—The Odes and Epodes of Horace are read, with special attention to lyric metres and to Horace's philosophy of life. Pliny's letters are made the basis for a study of Roman life and institutions under the Empire.

Three hours a week the second semester. Prerequisite, Latin 1 or 2.

5. *Livy.*—Selections from Livy's works, with lectures on the writing of ancient and modern history, and with some training in the methods of modern historical criticism. A considerable amount of collateral reading is required; reports by the members of the class. Alternating with Course 7.

Three hours a week the first semester. Prerequisite, Latin 3 or 4, or equivalent. Not given in 1920-1921.

6. *Plautus and Terence.*—A course in the Roman Drama. Intended especially for those who wish to teach and who desire to obtain a better acquaintance with the structure and growth of the Latin language. Alternates with Course 8.

Three hours a week the second semester. Prerequisite, Latin 3 or 4, or equivalent. Not given in 1919-1920.

7. *Tacitus.*—Selections from the Germania, the Agricola, and the Annals of Tacitus, with a special study of his method of writing history. Reports by the class on Roman life and institutions of his time. Alternates with Course 5.

Three hours a week the first semester. Prerequisite, Latin 3 or 4, or equivalent. Not given in 1919-1920.

8. *Juvenal and Martial.*—Selections from the Satires of Juvenal and from the Epigrams of Martial, with a special study of the customs and the social conditions of their times. Alternates with Course 6.

Three hours a week the second semester. Prerequisite, Latin 3 or 4, or equivalent. Not given in 1919-1920.

MATHEMATICS

All students who do not avail themselves of the option between Ancient Languages and Mathematics are required to take Courses 3 and 4.

1. *Higher Algebra.*—A course for those who do not offer sufficient units in algebra and for those who wish to review the subject. No college credit toward a degree.

First semester.

2. *Solid Geometry.*—A course for those who do not offer entrance units in this subject. This course is especially recommended for those who wish to teach mathematics, or who are preparing for engineering. No college credit toward a degree.

Second semester.

3. *College Algebra and Trigonometry.*

Three hours a week, first semester. Prerequisite, Mathematics 1 or its equivalent. Recommended for Arts students.

4. *Trigonometry and Analytic Geometry.*

Three hours a week second semester. Prerequisite, Mathematics 3. Recommended for Arts students.

5. *College Algebra and Trigonometry.*

Five hours a week, first semester. Prerequisite, Mathematics 1 and 2, or their equivalents. Required for all Engineering students.

6. *Trigonometry and Analytic Geometry.*

Five hours a week, second semester. Prerequisite, Mathematics 5. Required for all Engineering students.

7 and 8. *Differential and Integral Calculus.*

Four hours a week, both semesters. Prerequisite, Mathematics 5 and 6. Required for all Engineering students.

9 and 10. *Theory of Equations and Differential Equations.*

Three hours a week, both semesters. Prerequisite, Mathematics 7 and 8.

11 and 12. *Advanced Plane and Solid Analytic Geometry.*

Three hours a week, both semesters. Prerequisite, Mathematics 7 and 8. Not given in 1920-21.

13 and 14. *Modern Higher Algebra.*

Three hours a week, both semesters. Prerequisite, Mathematics 7 and 8. Courses 11-12 and 13-14 are given in alternate years.

15 and 16. *History of Mathematics and Teaching of Mathematics.*—This course aims to give a synopsis of the development of elementary mathematics and the methods of teaching that subject, especially arithmetic, algebra, and geometry. The course is designed particularly to meet the needs of teachers in secondary schools and of those who are interested in the development of methods of thinking.

Three hours a week, both semesters.

17. *The Fundamental Concepts of Modern Mathematics.*—This course includes some of the results of recent investigations, especially in their bearing on elementary mathematics. Among the topics treated are the following: Euclidean and higher constructions, dimensionality and coordinates; infinity and the theory of assemblages; the algebra of logic. This course given in 1919-20, not given in 1920-21.

Four hours a week, first semester. Lectures, discussions and reports. Prerequisite, Mathematics 7 and 8.

18. *Introduction to Higher Mathematics.*—This course includes: Development of the number system. Function of a real variable; infinite series; differential equations including graphical methods. Complex and hyper-complex numbers; vector geometry; conformal representations. Groups, finite and continuous. Non-Euclidean and *n*-dimensional geometry. Mathematical physics. This course given in 1919-20, not given in 1920-21.

Four hours a week, second semester. Lectures, discussions, and reports. Prerequisite, Mathematics 7 and 8.

PHILOSOPHY

1. *Formal and Experimental Logic.*—Readings in Jones' Logic and Dewey's, How We Think, will occupy the first eight weeks of the first semester. The aim of this part of the course is to introduce the student to the fundamental concepts of formal logic as a branch of mathematics and also to acquaint the students with the chief experimental methods of inquiry used in scientific investigations.

2. *Introduction to Ethics, Esthetics, Social and Political Philosophy.*—This part of the course will occupy the remainder of the year and will be an endeavor to introduce the student to the function of intelligence. Reading: Erskine's The Moral Obligation to be Intelligent, Selections from Plato's Apology, Crito and Phaedo, The Life of Socrates, Murray's Ancient Greek Literature, Plato's Protagoras, Artistotle's Ethics, Mill's Utilitarianism, Ritchie's Life of Plato, Plato's Republic, Archer's The Great Analysis.

Parallel reading in Descartes' Discourse on Method, Berkeley's Three Dialogues between Hylas and Philonous and Russell's Problems of Philosophy.

Three hours, both semesters. Open to all students except Seniors.

3 and 4. *Elementary Ethics.*—This course will introduce the student to an analysis of Conduct and Character from a standpoint of Social Psychology and through the study of Typical Problems of Conduct. (a) Personal Morality: Health, The Alcohol Problem, Chastity and Marriage, Fellowship, Loyalty and Luxury, Truthfulness, Culture and Art, The Mechanism of Self-Control, The Attainability of Happiness. (b) Public Morality: Patriotism, World Peace, Political Purity and Efficiency, Social Alleviation, Industrial Wrongs, Industrial Reconstruction, Liberty and Law, Equality and Privilege, The Future of the Race.

Text-books: Drake's Problems of Conduct and Readings in McDougal's Social Psychology.

Three hours, both semesters. Open to all students but Seniors.

5 and 6. *General History of Philosophy.*—This course will consist in lectures on the development of ideas and the social conditions which gave rise to the Career of Reason, especially in Art, Ethics, Politics, Metaphysics and Logic with frequent references to all branches of knowledge. The lectures will occupy two hours each week, one additional hour will be spent weekly on assigned classics in Philosophy.

There will be no assigned text-book but a set of questions and references have been prepared, covering the whole period of the history of ideas, which the student will be obliged to answer.

Courses 5-6 and 7-8 are given in alternate years. Course 5-6 will be given in 1920-21.

Three credit hours, both semesters. Open to all students but Freshmen.

7-8. *Social and Political Philosophy.*—This course will deal with a brief history of Social and Political Theory and special lectures on the chief contemporary contributions in The Field of Politics.

Text-books used are Wallas' The Great Society and Human Nature in Politics and Mill's Principles of Political Economy. One written report will be required each semester.

Three hours each semester. Open to all students but Freshmen who have had two years of Philosophy or one year in Philosophy and one of Sociology, Economics or Political Science.

Courses 5-6 and 7-8 are given in alternate years. The course 7-8 will be given in 1922-23.

PHYSICAL EDUCATION

Students are required to report soon after their arrival at Southwestern to the Physical Director and to attend the gymnasium classes to which they may be assigned. The work in the gymnasium is adapted to the particular needs of each individual. All Freshmen and Sophomores, and all students entering with advanced standing are required to take the course in physical education.

1 and 2. *Personal Hygiene and Physical Education.*—This course includes lectures on the fundamental laws affecting health, together with such corrective or developmental exercises as are demanded by each individual student.

PHYSICS

1. *General Physics.*—Mechanics and heat. Covering the fundamental phenomena. The subjects considered are general mechanics, molecular mechanics, and heat, which are discussed both mathematically and experimentally. A knowledge of plane trigonometry is desirable for students taking this course.

Three hours a week throughout the first semester and two hours of laboratory.

2. *Magnetism, Electricity, Sound and Light.*—This is a continuation of Course 1 and must be preceded by Course 1. It takes up the fundamental phenomena of these subjects. Lectures, recitations and laboratory work.

Prerequisite, Course 1. Three hours a week throughout the second semester and two hours of laboratory.

3. *Electricity and Magnetism.*—Advanced work in these subjects, in which the treatment is more mathematical and more analytical. A knowledge of Calculus is desirable.

Prerequisite, Courses 1 and 2. Three hours a week throughout the first semester and two hours of laboratory.

4. *Electricity and Magnetism.*—Advanced work in these subjects, in which the manner of treatment is the same as in Course 3. It is a continuation of Course 3.

Prerequisite, Course 3. Three hours a week throughout the second semester and two hours of laboratory.

5. *Heat.*—A more intensive study of heat. The theory and nature of heat, the transmission of heat, sources of heat, precise thermometry. Attention is given to the study of such temperature and heat measurements as are of technical importance, such as the calorific efficiency of fuels. Not given in 1920-21 unless a sufficient number apply for it.

Prerequisite, Courses 1 and 2. Three hours a week, first semester.

6. *Heat.*—A continuation of Course 5. Kinetic theory of gases, adiabatic curves, laws of thermodynamics.

Attention is given to that part of the theory which forms the basis of the study of engines, boilers, and systems of heating.

Three hours a week, second semester.

7. *Electrical Theory.*—Elements of electrical engineering. This course is a general survey of applied electricity. General theory of electricity, the theory of direct currents, and of alternating currents. Study of electrical instruments and methods of making electrical measurements. Assignment of special laboratory problems. Not given in 1920-21.

Prerequisite, Courses 1 and 2. Three hours a week, first semester.

8. *Electrical Theory.*—This is a continuation of Course 7. A study of generators, motors, alternators, transformers, lamps, and storage batteries. Electric distribution of power. Assignment of special laboratory problems. Not given in 1920-21.

Three hours a week, second semester.

PSYCHOLOGY

1 and 2. *General Psychology.*—A general study of human consciousness and behavior, with reference both to scientific theory and practical application. A careful study will be made of the structure and biological function of the nervous system. This course includes laboratory demonstrations and experiments, with assigned reading and reports.

Three hours, both semesters.

3. *Social Psychology.*—This course is announced and described as Course 13 in the Department of Economics and Sociology.

First semester. Courses 1 and 2 or Economics 11 and 12 prerequisite.

4. *Physiological Psychology.*—This course is open to students who have completed Courses 1 and 2.

Second semester, three hours.

PUBLIC SPEAKING

The course in Public Speaking is designed to give practical instruction in the methods for making public speech effective, and to fit the student to meet the actual needs of life. It includes training in the preparation and delivery of the various forms of public discourse and thorough study of the principles of argumentation and the methods of debating. In addition to the training of the class-room, further practice is given through college occasions and through public contests in debating and general public speaking.

Public Speaking 1.—Practical study of voice control, articulation, expression, gesture. Study of the preparation and arrangement of material and its effective delivery. Study of the physical, mental and moral preparation of the speaker.

Three hours. Both semesters. Yields two credits toward degree.

Public Speaking 2.—Advanced study along the general lines presented in Course 1. Special attention to argumentation and debating.

Three hours. Both semesters. Yields two credits toward degree.

SPANISH

The courses in Spanish aim to familiarize the student not merely with the literature, history and institutions of Spain, but primarily with those of Spanish America, in recognition of the fact that the latter are not only of greater significance to the North America of the present but also to the world of the future. Conversational work is emphasized in all courses.

1. Course for beginners. Pronunciation, forms, prose composition, and reading of easy prose. Espinosa and Allen's Spanish Grammar.

Three hours a week the first semester.

2. Course for beginners (continued). Reading of easy Spanish texts, further practice in prose composition, conversation, and sight reading.

Three hours a week the second semester. Prerequisite, Spanish 1, or its equivalent.

3. Reading of advanced prose texts with practice in advanced sight translation. Much conversational work and advanced prose composition. Galdos, Dona Perfecta, and Iban, La Barraca.

Three hours a week the first semester, Prerequisite, Spanish 2, or equivalent.

4. So far as practicable this course is conducted entirely in Spanish. Reading of Valera, El Comendador Mendoza; Moratin, El Si de las Ninas; Alarcon, El Sombrero de tres Picos, and similar texts. The writing of business letters in Spanish and the use of the more ordinary commercial terms.

Three hours a week the second semester. Prerequisite, Spanish 3, or equivalent.

5. Lectures on the history, institutions, and literature of Spain. Reports and papers by the students. Extensive private reading. This course is conducted entirely in Spanish. To alternate with Course 7. Not given in 1921-22.

Three hours a week the first semester. Prerequisite, Spanish 4, or equivalent.

6. Spanish Literature. Some of the masterpieces of Spanish literature are studied in class. Private reading, discussions and reports. This course is conducted entirely in Spanish. To alternate with Spanish 8. Not given in 1921-22.

Three hours a week the second semester. Prerequisite, Spanish 4, or equivalent.

7. Lectures on the history, institutions and literature of Spanish America. Extensive private reading, discussions and reports. This course is conducted entirely in

Spanish. To alternate with Spanish 5. Not given in 1920-21.

Three hours a week the first semester. Prerequisite, Spanish 4, or equivalent.

8. Business Spanish. A study of business conditions and opportunities in South America. Reading of South American newspapers and magazines; the writing of business letters, lectures, discussions, and reports. This course is conducted entirely in Spanish. To alternate with Spanish 6. Not given in 1920-21.

Three hours a week the second semester. Prerequisite, Spanish 4, or equivalent.

COURSES FOR TEACHERS

For the benefit of teachers and others who wish to prepare themselves for the degree of B.A. or B.S. and are unable to attend classes at the regular hours scheduled the University offers each year courses in several departments. These cover the same ground as the regular courses, and on their completion the student will receive college credit. Classes will meet in the afternoons and on Saturday mornings.

These courses are subject to the following conditions:

1. The admission requirements are the same as for other students.

2. The instructors have the option of withdrawing any course for which less than three apply.

3. The fees are: Matriculation, $5.00, and tuition, $10.00 for each course, terms which apply only to students who do not register for more than two courses.

During the session 1919-20 the following courses were offered:

1. Chemistry. 2. Psychology and Education. 3. American History. 4. Latin. 5. Mechanical Drawing. 6. English. 7. French. 8. Spanish.

GENERAL INFORMATION.

HISTORICAL SKETCH

The first definite plans for the founding of the Southwestern Presbyterian University date from the year 1873. At that time, in answer to an overture from the Synod of Nashville of the Presbyterian Church in the United States, to the Synods of Memphis, Arkansas, Mississippi and Alabama, commissioners were appointed, who held a conference in Memphis, Tennessee, and adopted a "Plan of Union" which was the initiatory step in establishing the University.

The valuable properties of Stewart College, an institution located at Clarksville, Tennessee, and under control of the Synod of Nashville, were offered the Board of Directors which had been provided for under the "Plan of Union," and, accepting this as a nucleus for the new University, the articles of incorporation were duly filed on the twentieth of May, 1875.

Among those who keenly appreciated the educational needs of what was then the Southwest, none was more active than Dr. J. B. Shearer, so that quite fittingly he was selected as acting head of the Southwestern Presbyterian University.

The Synod of Texas, which had become one of the controlling synods, withdrew from the University in 1877, but resumed its relations in 1895, only to make a final withdrawal in 1902, when a theological seminary was established within its own bounds. When the Synod of Arkansas had established a synodical college in 1895, this Synod also withdrew. The University is now under the control of the Synods of Alabama, Louisiana, Mississippi and Tennessee, each body electing three members to the Board of Directors.

The Rev. B. M. Palmer, D.D., of New Orleans, was elected to be the first chancellor, but his congregation were so reluctant to give their consent to the termination of his ministry that he declined the call. The Board of Directors

then elected the Rev. J. N. Waddel, D.D., previously chancellor of the University of Mississippi. Dr. Waddel entered upon the duties of his office in 1879.

In 1885 a Theological Seminary was added to the college of arts and sciences and entered upon a work of great value to the Church. Some of the best loved men of the Church have served as professors in the Seminary, and more than three hundred ministers were trained within its walls. However, owing to the increasing cost of maintenance, the theological department of the University was indefinitely suspended in June, 1917.

SOUTHWESTERN'S RECORD

Southwestern has always been a small college. This and other advantages have contributed to the quality of the Southwestern type. Her alumni have achieved positions of leadership in Church and State, eloquent testimony to the steadfastness with which the highest ideals of scholarship have been maintained as well as to the splendid character of the students. Probably there is no other similar institution of learning in which can be found a higher moral tone or a more elevating spirit of fellowship. *The men who have come to Southwestern have uniformly cast their influence on the side of good conduct, so that a tradition has been built up in favor of earnestness, purity, and sobriety.* It should not be necessary to emphasize the tremendous influence for good which comes from an association of four years with men of the Southwestern type, and this is all the more true, since a young man, when he enters upon college life, is peculiarly susceptible to outside influence. In view of this fact, the Faculty of the University is zealous in protecting the moral welfare of the students, terminating the connection of any student with the institution if at any time his life and conduct are at variance with the spirit of the University and exert a harmful influence upon his fellow students. In sending their sons to Southwestern parents may feel assured that their welfare is safeguarded in every way possible.

THE TOWN OF CLARKSVILLE

The town of Clarksville is situated on high bluffs above the Cumberland and Red Rivers, about sixty miles north of Nashville, two hundred miles east of Memphis, and two hundred miles south of Louisville. With a population of about ten thousand, electric lights, electric cars, telephone and telegraph service, new modern waterworks, free mail delivery, excellent stores, freedom from saloons, and other advantages, the community has much to render it desirable as a location for a college.

Clarksville is a city of beautiful homes and is called a city of churches. The social conditions are most helpful to young men. Its citizens are among the most cultured and refined people of the State. A cordial reception is given the college students, which brings them in contact with the best people of the city. A young man here finds an opportunity for developing his social nature in an environment both stimulating and helpful.

Special mention should be made of the uniformly excellent health record of Clarksville. It is, according to official reports of the State Board, one of the most healthful cities in Tennessee. The air is bracing and furnishes climatic conditions very favorable to student life. Students from lower altitudes find here freedom from malaria and lassitude.

The railway facilities are very good. Two systems, the Louisville & Nashville and the Tennessee Central, cross here, making any part of Tennessee and of the adjoining states easily accessible.

SOUTHWESTERN'S SPECIALTY

As a result of the relatively small number of students enrolled from year to year, Southwestern has always possessed that most highly prized of all educational assets, the ability to give individual training and oversight to its students. The necessity for taking the student from under the direct instruction of the full professors and giving him into

the charge of inexperienced tutors and instructors has not been felt at Southwestern. Rather is there to be found a personal relationship between professor and student which leads to highly desirable results in the imparting of culture and moulding of character. The University does not rest upon any department or course of study, but upon a type of student, who has received a thorough and well-balanced training for life. While Southwestern may lose some of that glamour which surrounds some of the larger institutions and the prevalent cult of numbers, yet the benefits to be derived from a prolonged association with earnest, thoughtful men in a morally healthful environment are to be commended to those young men who are seriously seeking the best preparation for a useful, successful life.

COURSES OF STUDY

Believing that the liberally educated man is one who knows enough about all the different major intellectual disciplines to have developed an intelligent special interest in one or more of them, the course of study described elsewhere will be found to have been arranged to meet this idea. Not only may the student secure that broad cultural training which is the peculiar work of the college, but he may also devote himself to those special subjects which may be necessary for further professional studies or for business. For those students who intend to study for the ministry, law, medicine, or teaching, courses may be elected which are fundamental to these professions.

As a result of the introduction of advanced work in the sciences and of courses in Drawing, Mechanics and Surveying, graduates of Southwestern are able to obtain two years' advanced standing in the best technical colleges. In this way the broad culture of the college may be secured in but little more time and with little more expense than if the student had enrolled directly in a school of engineering, while the extreme value of this liberal collegiate training in his profession will be attested by all successful engineers.

EQUIPMENT.

GROUNDS

The campus of the University is a beautiful tract of twenty-four acres, almost all of which is covered with blue grass and in front is shaded by giant oak trees. It is located in a quiet, residential section of the city, though only a short distance from the business section and the stations of the Louisville & Nashville and the Tennessee Central Railroads. A system of concrete walks connect the dormitories and the buildings used for instruction and administration.

THE CASTLE

The oldest and probably the most striking building on the campus is the "Castle." It is constructed of brick, trimmed with stone, in Tudor-Gothic style. The central section of the building is four stories high and contains five large lecture rooms, besides providing attractive quarters for the four Greek letter fraternities which have chapters at Southwestern. On the ground floor are provided two large and conveniently arranged halls for the use of the literary societies.

LABORATORIES

Three laboratories have been through a period of years developed under the direction of highly trained scientists at a cost of many thousands of dollars. These laboratories, through appropriations and fees, are being constantly enlarged and are kept abreast of scientific progress. In addition to the laboratories set apart for experimental work by the students, there is to be found unusually ample equipment for work in astronomy and geology.

ASTRONOMY

This department is equipped with a six-inch telescope, two sextants, one chronometer, a transit with the usual

accessories for meridian observation, together with a complete supply of maps, charts, globes, lantern slides, and all equipment needed for the study of astronomy.

BIOLOGY

This laboratory contains a complete outfit of tables, microscopes, dissecting instruments, specimens, and models for use in courses in general Biology. It is also equipped with incubators, sterilizers, and other apparatus necessary for bacteriological and histological study. From year to year, as the demand increases, additional equipment is provided. The department is fortunate in possessing a collection of about sixteen thousand specimens of shells, corals, and sponges, the gift, in the main, of Professor W. M. Stewart. In addition, there is a splendid herbarium containing over four thousand mounted botanical specimens.

CHEMISTRY

The department of Chemistry is housed in the two-story west wing of the "Castle" building, covering a ground space of fifty by seventy feet. The building is splendidly lighted and ventilated and affords ample space for the work of the department. In addition to the large laboratory for general chemistry, which occupies the whole of the second floor, there are a large lecture room, stock room, dark room for photographic work, and a smaller laboratory for advanced and graduate work. All of the apparatus necessary for courses in chemistry conducted along the most advanced lines is to be found. The department is especially well equipped for work in organic chemistry and qualitative and quantitative analysis.

GEOLOGY

The University is fortunate in having had among its professors men of marked ability in natural science, who have given the institution the fruits of their researches. As a result, in addition to the magnificent Stewart conchological collection, there have been gathered by the several professors who have served in this department a geological collection of over six thousand minerals and ores, together

with a valuable collection of fossils, mainly representative of the Paleozoic era. All of these are preserved in large glass cabinets and provide ample material for geological study.

PHYSICS

The department of Physics occupies the entire east wing of the "Castle." The first floor provides space for a large lecture and demonstration room, laboratory for advanced students and a private laboratory for the professor. The entire second floor is given over to laboratory space for the use of students in the less advanced courses.

The laboratory is well equipped with apparatus for elementary experimental work, together with all needed equipment for advanced work in mechanics, electricity and light.

STEWART BUILDING

The Stewart building, named in honor of Professor W. M. Stewart, the first president of Stewart College, out of which the University grew, contains the offices of administration, the office of the Registrar and the private office of the President of the University. On the first floor there are, in addition, two lecture rooms and the rest room for the use of the young women.

THE LIBRARY

The entire second floor of the Stewart building is occupied by the University Library. Containing more than fifteen thousand volumes and more than seven thousand pamphlets and magazines unbound, it provides excellent material for the supplementary work and reading which forms an integral and necessary part of the various courses in every department of instruction.

These volumes are arranged in a series of fourteen alcoves on the floor of the reading room and in about the same number in the gallery which surrounds the interior. All students have free and complete access to the shelves. The library is catalogued according to the Dewey system, and

by use of the card index, arranged by titles and authors, it is possible to locate immediately any book in the library.

The library is under the immediate supervision of the Librarian and his Assistant, and is kept open every week day from 9:00 A.M. to 5:30 P.M.

The reading room is well supplied with a large number of periodicals, some of popular character and some technical, together with daily and weekly papers.

The University desires particularly to possess as complete a collection as possible of the publications of Southwestern graduates, and alumni who publish books or pamphlets are requested to assist the Library in this undertaking by presenting the Library with copies of their works.

During the past year important and valuable additions have been made to the Library in the fields of Bible, Education, Philosophy, French and German literature, Economics, Government, and American and Church History.

Particular attention is called to the excellent collection of the most recent works dealing with the Great War and the warring nations, and also to the collection of Modern Plays, American, English and Continental, some 350 in number, which has been built up during the past year. This collection serves as material available not only for the study of the modern drama, but also for the use of our flourishing dramatic society, "The Pals." In this field, as in that of war literature, the Library of Southwestern University possesses undoubtedly the finest collection of any educational institution within its territory.

THE WADDEL GYMNASIUM

The gymnasium, in the Waddel building, named in honor of the first president of the University, is well equipped with apparatus for general exercises, and all Freshmen and Sophomores are required to take regular work in physical training.

The main floor contains a large exercising room and courts for basketball and hand ball. An indoor running

track encircles the floor. Adjoining the main floor are the locker rooms, directors' examination room, and shower baths.

Upon entrance, all students are given a thorough physical examination by the College Physician, assisted by the Physical Director, and the proper corrective or development exercises are prescribed and carried out under the supervision of Mr. R. P. Richardson, who has charge of all athletics. General supervision of athletics is exercised by the Athletic Council, composed of members of the faculty and students, Professor Scott C. Lyon, chairman.

ASSEMBLY HALL.

Directly over the gymnasium in the Waddel building is the Assembly Hall, having a seating capacity of about one thousand. This hall is used for the Commencement exercises and for other public functions from time to time.

THE Y. M. C. A. ROOMS.

The Young Men's Christian Association is attractively and comfortably housed in a suite of rooms in the University Commons. They provide ample space for reading and writing rooms and serve as a gathering place for students at all times. The rooms have two splendid pool tables with all necessary equipment and in addition there is an unusually fine Victrola with a good selection of records. A large supply of current periodicals is maintained.

THE COLLEGE COMMONS

The beautiful new Commons, the gift of the people of Clarksville to the University, was completed and ready for occupancy with the opening of the session in 1918. This building contains a large dining hall, with a seating capacity of two hundred and fifty, a sanitary kitchen, with terrazzo floor and modern kitchen equipment. In addition, there are on this floor the office of the House Secretary for the dining hall, and reading rooms. In the basement are cold storage rooms, and ample space for instruction in manual

training and domestic science, which will, in all probability, be instituted, at an early date.

The "Commons" is built of red brick, trimmed with stone, of a semi-castellated type, and is located almost midway between the Gymnasium and Calvin Hall.

CALVIN HALL

Calvin Hall is a brick building, two stories in height, and provides rooming accommodations for about forty students. The rooms are large, light and well ventilated. The entire building has, during the past year, been completely renovated and all walls have been freshly plastered and painted. The rooms are exceedingly attractive and commodious. Both floors are well supplied with toilet and bath facilities .

Two students share each room which is furnished with double deck beds, with mattresses and pillows, library table and comfortable chairs, dresser, wardrobe and book shelves. Students are expected to furnish their own bed linen, toweling and blankets.

ROBB HALL

Robb Hall is also of brick and is two stories high, providing accommodations of the same quality as Calvin. In this dormitory every room has during the past year been newly plastered and all walls tastefully painted. These rooms are also shared by two students and are furnished with identically the same equipment as that found in Calvin Hall. Shower baths are provided on both floors with cold and hot water at all times. The University assumes the care of these Dormitories and provides competent janitor service under the direction and supervision of the House Secretary, Mrs. Brooks F. Beebe.

HOSPITAL

The University has provided a hospital ward consisting of a suite of three rooms in Calvin Hall. These are equipped

with hospital conveniences and provide complete and adequate facilities for all students of the University in case of sickness.

A trained nurse is employed by the University who gives her entire time to this work. In case of sickness, all students are cared for in the hospital ward, where they can be given the most skilled attention.

The College Physician, Dr. R. B. Macon, attends all cases of sickness in the University without cost to the student, since medical attendance is included in the initial fee paid to the University at the beginning of each semester.

The importance of careful nursing and skilled medical attention in comfortable quarters cannot be overestimated, and parents may feel confident that students at Southwestern will receive the same care and attention here which would be accorded them in their own homes.

SHEARER ATHLETIC FIELD

Back of the Gymnasium and the "College Commons" lies the Shearer Athletic Field. This provides space for a football field, baseball diamond, and a grandstand. Adjoining the football field are a number of well-located tennis courts, which are kept in good playing condition by the members of the Tennis Association.

STUDENT ACTIVITIES.

SELF GOVERNMENT

In order that in every sphere of college life good order and conduct becoming gentlemen may be secured, the students voluntarily accept and maintain an honor system, and its standards are enforced by tradition and public opinion among the students. *It is tacitly understood that all students, when they matriculate, assume the obligations and responsibilities of this honor system.* The Honor Council, which is the executive head of the system, is chosen annually by the students from groups, which, taken together, represent the entire body.

THE Y. M. C. A.

The Y. M. C. A. plays an important role in the religious life of the University. Each Sunday afternoon there is a service in the Chapel conducted by members of the student body or by outside speakers. In addition there are a number of Bible study and mission study classes which hold weekly meetings under suitable leadership. Not only does the Y. M. C. A. exert an influence within the University, but its members also take active part in the religious life of the community, serving as teachers in the various Sabbath Schools in Clarksville and helping to maintain mission schools in the outlying districts.

A regular feature of the Y. M. C. A. is a week of prayer and consecration each fall and each spring. At these services a distinctly evangelical message is presented to the students of the University and the meetings have been productive of great good. The fall meeting of the past year was in the hands of the Rev. John W. Young, of Greenville, Miss. In addition to these stated meetings, many occasional speakers come before the Association. During the past session addresses have been delivered by the Rev. B. F. Price, Dr. John I. Armstrong, Dr. Dunbar H. Ogden, as

well as by representatives of the Student Volunteer Movement.

The Association was represented at the Des Moines Convention of Student Volunteers by Mr. Kirby P. Walker, '22, and Mr. Procter McCutchen, '21. From year to year a number of delegates are in attendance and take part in the Blue Ridge Conference.

The Association endeavors to relate itself closely to the life and interests of the students, and especially at the opening of each college year it is of service in helping new students get satisfactorily located. Through the annual reception, which is given in honor of the new students, to which all students, the faculty, and friends are invited, and by the annual publication of a handbook, containing information about the college which is of great value both to old and new students, the association renders still further help to the students of the University.

ALPHA PHI EPSILON.

The Stewart Chapter, one of the charter Chapters of the National Intercollegiate Literary Society, Alpha Phi Epsilon, represents a fusion of the Washington Irving and Stewart Literary Societies. This organization is a most valuable adjunct of college life, furnishing a training and culture that cannot otherwise be so well attained. Every student is urged by the authorities of the college to associate himself with this society and to take an active part in its work. Weekly programs are held in the Society hall and afford excellent opportunities for training in debate, declamation and parliamentary usage.

"THE PALS"

"The Pals" is a dramatic organization which studies and presents a number of sketches and plays each year. For its use the Club has constructed in the Castle Building a completely equipped theatre, modeled after the Portmanteau Theatre, which has been made famous by Stuart Walker and is of almost the same proportions.

The members of the Club have complete charge of this Little Theatre and all work done in it is by them. They construct and paint all scenery, design costumes and stage setting and expect within a short period of time to produce almost exclusively plays written by the membership. The equipment, as to scenic and lighting effects, is unusually good and any dramatic production which does not emphasize mere bigness can be easily presented.

A disastrous fire, which totally destroyed the entire equipment of the Little Theatre, has been somewhat of a handicap to the work of the organization during the past year. The Little Theatre has now been completely reconstructed, however, and has much more commodious and attractive quarters so that a full and varied program is anticipated during the coming year.

Among the plays which have been presented recently in the Little Theatre are: "Two Crooks and a Lady," "Civilization," "A Fan and Two Candlesticks," "Nevertheless," "The Noble Lord," "The Man on the Kerb," and "Playing With Fire."

This Club is one of the most wide-awake and enterprising organizations in the University, and provides an excellent opportunity for training which is of great value. Any student may, upon application, become an associate member, but full membership can be held only after the associate member has written and produced a play or has won individual applause in three public productions.

THE SOU'WESTER

The members of the student body unite in publishing a weekly paper, The Sou'wester, which ranks well among collegiate publications and which reflects credit upon those who are charged with its management. This publication is a valuable adjunct to the courses in Journalism and offers a splendid opportunity to those who are anticipating a journalistic career to secure not only a considerable body of technical knowledge but also to gain much practical experience in practically every phase of journalistic effort.

FRATERNITIES

Four Greek letter fraternities are represented by chapters at Southwestern. These fraternities have halls in the "Castle" building which they have furnished and decorated most attractively and their activities do much to add interest and zest to the social life of the college. No new student may be initiated until such time as he shall have made an average grade of seventy per cent or over.

A local sorority, the Sigma Pi Upsilon, has been organized during the past year among the young women in the student body and has entered actively into the social life of the University.

ATHLETICS

The athletic affairs of the University are directed by an Athletic Council, composed of representatives from the students and from the faculty. The initial fee to the University includes the use of the gymnasium and instruction by the Physical Director as well as furnishing admission without extra cost to all inter-collegiate contests on Shearer Field. Every student, upon entrance, is given a thorough physical examination by the College Physician, and, if he is physically fitted for it, he may offer for any athletic team or participate in any form of exercise under the supervision and guidance of the athletic director.

The following regulations govern athletic teams representing Southwestern:

1. No student may represent the college unless, during the preceding month, he shall have made a passing grade in two-thirds of his entire course.

2. No individual may play on any athletic team representing Southwestern in intercollegiate contests except bona fide students of the University.

3. No student shall play on the baseball team in any year unless he has begun his college work not later than the beginning of the second semester.

4. No member of any athletic team shall receive any

compensation whatever—money, board, or tuition—for his participation in athletics.

5. No football team shall play more than one game on any trip unless, by reason of unusual conditions, special approval is given by the faculty committee on athletics.

6. No baseball team shall be absent on any trip for a longer period than one week, and the total number of absences must not exceed ten days.

ORCHESTRA.

From year to year the students who possess some ability in the use of musical instruments or in singing have organized and given public performances in Clarksville and frequently in other cities. During the past year the College Orchestra has been unusually active and a splendid organization has been developed. They have appeared on several occasions most successfully and have also added much to the public exercises of the University. The University Quartet has done excellent work and has been much in demand throughout the entire year. Membership in these organizations is open to all who may be capable of developing into efficient members.

COLLEGE LECTURES AND PUBLICATIONS.

CONVOCATIONS

At stated intervals during the year public lectures will be given by members of the faculty or by visitors at the invitation of the faculty. As a general rule, these convocations deal with matters of importance in the life of the students, and are under the supervision of the Faculty Committee on Public Functions.

LECTURES TO FRESHMEN

During the early part of the year a series of lectures will be given by members of the faculty which are of especial interest to those young men who are entering upon life at college .The purpose is to enable the student to adapt himself more readily to the new conditions and changed environment and to safeguard him from temptations which are characteristic of life at college. Thus, such matters as the honor system, habits of study, campus life, personal hygiene, and the like, will be considered.

THE UNIVERSITY BULLETIN

The University issues quarterly a Bulletin, containing information relative to the institution, such as statements of the courses of study, items of social or athletic interest, the work of alumni, and the general condition of the University and its work. Copies of this Bulletin will be sent without cost to those who desire to receive it.

ADMINISTRATION.

Wherever a group of men is associated for a common purpose, organization and discipline are necessary for efficient work. Wherever the conduct of the individual could interfere with the administration of the activities which are directed towards the common end, it becomes subject to regulation. At Southwestern these regulations are rather for information and direction than for repression, as it can be assumed that our students are gentlemen sensible of their privileges and aware of the high aims which unite us and are their aims as well.

No group, however, can afford to neglect the physical or moral health of its members. Each year the student body must assimilate new members, and there are a few points on which new students will require direction in order to adjust themselves to college life. Though the best discipline is that which is developed from within rather than imposed from without, the first requirement for the new student who wishes to become a college man is loyalty to his college and respect for its traditions.

THE COLLEGE YEAR.

The forty-sixth session begins on the third Thursday in September. The academic year includes thirty-six weeks of work, divided inti two semesters. The beginning of the second semester is on February 7. The Christmas holidays begin on Wednesday, December 22, and extend through Tuesday, January 4. The examinations for the first semester are held from January 28 through February 4. The Commenecment program will take place on the sixth of June and will be followed by the examinations for the second semester, lasting from June 7 through June 13. Courses of study are arranged by semesters of eighteen weeks each.

REGISTRATION

Applicants for admission to the University should pre-

sent themselves at the office of the University promptly for matriculation. Having been matriculated, the student should present himself before the Committee on Classification and Curriculum where a selection of courses of study is made after consultation with a member of this Committee. After this selection has been made, the student is furnished with a classification card which must immediately be presented to the Registrar when he receives and fills out the blank necessary for registration.

After registration and the payment of all fees due the University at this time, each student receives class enrollment cards on which are noted the courses which he intends to pursue. Each card, when presented to the proper instructor, entitles the student to have his name entered on the class roll. These cards must be presented at the first meeting of the class following matriculation of the student.

EXAMINATIONS

Written examinations are held at the close of each semester. Each examination may last three hours. Students who fail to stand any regular examination forfeit their rank in class and unless their absence is excused are counted as failing on the examination.

All examinations are conducted on the honor system. Every student must write on his paper before submitting it, "I have neither given nor received help on this examination." Papers which do not contain this pledge with signature may not be graded.

At the option of the instructor, where the best interest of the student will be served, exemption from examination may be permitted.

All examination grades will be withheld until the end of the examination period. At this time the method of giving out these grades is at the option of the instructor.

RE-EXAMINATION

In case of failure to pass the regular examination in

any subject, the student may receive a special examination on payment of a fee of $2. This re-examination may not take place until a sufficient time has elapsed to enable the student, in the judgment of the instructor, to make such additional preparation as he deems necessary. In no case may a student be credited with a grade above 60 for such re-examination. The instructor is not allowed to give a re-examination until the student has submitted a receipt from the Registrar showing that the required fee has been paid.

RECORDS AND REPORTS

The University keeps a record of every student in which are noted the conditions under which he entered, his course of study and standing, and any Faculty action which may specifically refer to him.

Shortly after the close of each report period, a report of scholarship and conduct is sent to the parents or guardian of every student under twenty-one.

The President of the University receives from the Faculty, at stated intervals, reports as to the work and progress of the students, and wherever there appears to be need for such a course of action, the President will communicate with the parents or guardian of the student as to the content of the report from the Faculty.

CHANGE OF COURSE

If a student desires to make a change in his course of study, he should make application to the Chairman of the Classification and Curriculum Committee, from whom he will receive a card which is to be signed by the instructors of the classes concerned and also by the Dean. This is to indicate the approval of the instructors and also that the change has been duly noted on the class roll. Until this card had been presented to the Dean and his signature secured, the student is not excused from attendance upon the course he wishes to discontinue.

For change of course during the first two weeks of the

first semester or during the first week of the second semester, no fee is charged. For each voluntary change of course at any other time the student is required to pay a fee of $1 before the application will be granted.

Any student who drops a course of study without permission or is persistently absent from a course in which he has been duly classified, will be dismissed from the college. When a course is discontinued as a result of previous neglect of work the student shall be recorded as failing in this course for the term. When a student discontinues a laboratory course, unless such discontinuance is approved as necessary both by the Dean and the instructor in charge, he forfeits laboratory fee in such course.

ABSENCES

1. Every student is expected to be present the morning of the opening of the session in September, and to attend college Chapel exercises every week-day morning, church service every Sunday morning, and all his recitations every day until the session closes in June. Prompt return after the Christmas holidays is absolutely essential.

2. Every absence involves loss which it is often impossible to make up. For this reason excused absences if not made up by voluntary extra work on the part of the student necessarily tend to lower the average record of the student. The general policy of this University is to place the matter of absences in the hands of the instructor involved and absences may be excused or not in accordance with his judgment. However, a few unexcused absences may cause the failure of a student in an entire course.

3. Leave of absence from the University may be obtained from the President or the Dean provided application be presented before the absence. Absence without leave causes a student to be placed upon probation and his parent or guardian will be promptly notified.

4. Permission to absent himself from class without absence from the University must be obtained by the stu-

dent from the instructor before the absence. Such permission, however, does not relieve the student from responsibility for any part of the work of his class.

5. In case of prolonged illness or other misfortune, absences so caused will be treated with equitable consideration.

NUMBER OF COURSES

Each student is required to classify for a sufficient number of courses to total at least fifteen, and not more than eighteen, hours of class work each week. This requirement, however, is exclusive of laboratory work and such parallel work as is assigned in the various courses. Where exceptional circumstances may arise a student may, by the advice and permission of the faculty, be permitted to undertake a smaller number of courses.

STANDARD OF SCHOLARSHIP

Students whose average daily grade from entrance to the Christmas holidays does not reach 60% in ten hours of the courses in which they have been classified, physical education and Chapel attendance counting as one hour courses, are suspended until the following fall. However, this rule may be probationally applied in such cases as can, in the judgment of the Classification and Curriculum Committee, be satisfactorily reclassified in from nine to twelve hours, the consent of the instructors involved being necessary in each case.

SCHOLARSHIPS

Scholarships are intended to be a reward for good scholastic work, to assist students to continue work in subjects which they have already successfully undertaken or, under certain limitations, to aid well-prepared prospective students who give promise of creditable work.

Scholarships awarded by the University are condition-

ed upon satisfactory conduct and scholastic achievement, and are subject to withdrawal upon failure of the holder to make a satisfactory showing in his studies or for failure to show proper economy and observance of the regulations of the University.

RELIGIOUS INSTRUCTION

Southwestern Presbyterian University is pre-eminently a Christian institution. It recognizes the fact that the spiritual welfare of the student is of supreme importance. The Bible occupies an important place in the curriculum. Founded by the Presbyterian Church for the purpose of forwarding Christian education, it has always been united to the Church by full and hearty accord in spirit and purpose. The development of Christian manhood and leadership in Christian service are its purposes, and this not in any spirit of sectarianism but in full accord with essential truth as accepted by all evangelical Christians. Members of many Christian denominations are represented among the student body and find here a friendly and congenial atmosphere. The Faculty is composed entirely of Christian men who recognize their responsibility for the moral and spiritual, as well as the intellectual, well-being of the students.

Prayers are held in the chapel at 8:30 a. m. every week day. All students are required to attend these services, and to attend also the Sunday services of whatever church in Clarksville they may elect, though attendance upon one's own church is urged. In the matter of reporting church attendance students are placed on their honor.

WITHDRAWAL

No student shall withdraw from the University before consulting the President. The penalty incurred by the omission of this courtesy is indefinite suspension.

The University does not conceive its functions to include the problem of disciplining students who are not in sympathy with the ideals and spirit of the institution. The

conduct of a responsible citizen and Christian gentleman is expected from all students. In any case where a student becomes antagonistic to the spirit and methods of the University, he thereby severs his relationship with the institution and such student will be dismissed whenever the general welfare demands such a course.

FEES AND EXPENSES.

COLLEGE FEES

All fees are payable in advance. If for any cause this is impracticable, satisfactory arrangement must be made with the Registrar before the opening of the session. Checks are to be made payable to the Southwestern Presbyterian University.

The sum of one hundred and thirty dollars covers all of the fees, except laboratory fees, for the entire college year. This is payable, seventy dollars on entrance and sixty dollars at the beginning of the second semester. This amount covers fees for matriculation, tuition, athletics, the use of library and gymnasium, physician's fee, use of the college infirmary, associate membership in the Y. M. C. A. and a subscription to the college weekly.

All Seniors are required to pay a graduation fee of five dollars at the beginning of the second semester. The fee for graduate students is ten dollars.

A laboratory fee is required of each student taking a laboratory course. This fee varies from four to fifteen dollars. Besides this fee, however, the student may be held liable for careless breakage or other injuries to apparatus.

No student will be advanced in class standing until all the dues of the previous year have been paid. No degree will be conferred upon students who have not paid all their dues to the college.

No student will be dismissed from college on request unless he shall have paid all his college dues including those of the current semester.

During the time that semester dues which are over-due remain unpaid a student receives no credit for college work.

Students are not receievd for less than one semester. Students who withdraw from the University during a semes-

ter will not be repaid any of the fees for that term. Students by matriculating in the University are assumed to agree to the conditions herein set forth.

LABORATORY FEES

	First Semester	Second Semester
Biology 3 or 4	$5.00	$5.00
Chemistry 1	4.00	4.00
Chemistry 2	6.00	6.00
Chemistry 3 or 4	7.50	7.50
Physics 1	3.00	3.00
Physics 2	4.00	4.00
Physics 3 or 4	5.00	5.00
Mechanical Drawing	1.00	1.00
Descriptive Geometry	1.00	1.00
Psychology	2.00	2.00
Surveying		3.00

Special Fees—

Diploma	$ 5.00
Master's Fee	10.00
Special Examination	2.00
Delayed Registration	2.00

REMISSIONS

1. Any Bachelor of Arts or Bachelor of Science, who has been graduated from this University and who returns for graduate work, may have the sum of fifty dollars remitted.

2. Seventy-five dollars of the initial fee are remitted to:

a. A minister of the Gospel or the son of any minister of the Gospel who is actually engaged as such, or who has been retired on account of physical disability.

b. The son of a deceased minister of the Gospel.

c. Any candidate for the Christian ministry who is recommended by competent ecclesiastical authority.

d. The holders of scholarships granted by the University.

In each case the sum due from those entitled to the above exemption will be fifty-five dollars, thirty of which is payable at the beginning of the session, and twenty-five at the beginning of the second semester.

Should a candidate for the ministry accept such exemption and afterwards decline to enter the ministry, the total amount of the exemption will be held as debts due to the University.

3. Because of the initial gift of the City of Clarksville providing for ten scholarships for students graduating from the Clarksville High School, the sum due for fees from the holders of such scholarships is forty-five dollars, five dollars of which is damage deposit and is returnable.

Any remission of fees will be cancelled if the recipient, by improper conduct, or by failure to make satisfactory progress in his academic work, shows himself unworthy of it.

THE COLLEGE HOME.

Mrs. Brooks F. Beebe,
House Secretary.

(To be appointed)

Trained Nurse.

Roland Bain Macon. M. D.,
College Physician.

In order that the atmosphere of the home may be continued and that students may have that sympathetic care and kindly attention to which they have been accustomed, every effort has been made to develop a genuine home life for students on the campus. This has been accomplished through the refining presence of Mrs. Brooks F. Beebe, a woman of rare culture and attainments, whose motherly understanding and whose wide experience enables her to enter sympathetically into the lives of the students and to assist them with wise and helpful counsel.

Through her experience as a dietitian and her ability as an executive, she is enabled to provide a well-balanced diet and wholesome food at a minimum cost to the student. The essential necessity of ample food, tastefully prepared, is well recognized and no effort is spared to attain this end.

Of no less importance is the care of the students' health and supervision of the sick. To this end it has been decided to employ a trained nurse who will be in charge of the college infirmary and who will render such service as will safeguard the health and prevent protracted illness by giving timely attention. For this position there will be chosen a nurse of outstanding ability and experience.

Owing to the exceptionally healthful climate and the hygienic conditions surrounding the students, the health record of Southwestern is probably unequalled by that of any other institution in the country. In the rare instances of protracted illness, the students have received every possible attention from physicians of rare ability. Desiring, however, to provide for every contingency and feeling that some students, by reason of carelessness, might fail to consult a physician when such failure might temporarily affect his efficiency as a student, the University has arranged to secure Dr. Poland B. Macon as College Physician. Under this arrangement the students on the campus may receive all necessary medical attention without additional cost to them, this cost being provided for in the regular college fees. Parents may feel assured that the health of the students of Southwestern is as carefully safeguarded and is in as competent hands as they themselves could provide.

As soon as possible after matriculation, every student on the campus is required to undergo a physical examination. The College Physician and the Athletic Director are charged with the responsibility of attending to this requirement. The results of this examination are recorded on duplicate blanks, one of which is retained by the physician and the other is filed in the college office for reference. Grave physical errors, which demand attention, are reported to parents, and in the light of these examinations, corrective exercises are prescribed.

ROOMS

Application for rooms in the college dormitories should be sent to "The Registrar, Southwestern Presbyterian University, Clarksville, Tennessee." A deposit of $5 is required before the application is filed. The deposit is applied to the rental of the room. This deposit is returnable only in case the Registrar is notified of withdrawal before August 1.

When a student engages a room in a college dormitory it is understood that the arrangement is made for the entire college year. Should a student withdraw after the opening

of the college session, room rent will be charged for one semester.

A student who is occupying a dormitory room is allowed until the first of June to re-engage it for the succeeding year upon the payment of the usual deposit. After that date rooms will be rented as called for or they may be reserved for members of the incoming Freshman class in order of application. Dormitory rooms will be ready for occupancy on September 14th.

The rooms in the college dormitories are exceedingly comfortable, being large, well lighted and ventilated. They are furnished with chairs, tables, bureaus, wardrobes, two single beds and mattresses. All other bedding, as well as towels, must be supplied by the occupant, as well as rugs and additional furniture, if such is desired.

The charge for each student, when two students occupy a room, is $25 each semester. This charge includes the use of furniture, heat, water and janitor service. Electricity used in the rooms is paid for by occupants on a co-operative basis at the close of each month. When a student desires to room alone, he will be charged at the rate of $40 each semester.

Students who cannot secure accommodations in the college dormitories or who desire to secure rooms with private families may secure quarters at prices ranging from $12 to $20 a month, according to the conveniences desired.

BOARD

The University provides for its students a building which is very probably the best equipped and most sanitary dining hall in the entire South. The dining room, with a capacity for serving two hundred and fifty, has a high beamed ceiling, hardwood floor, and is finished in Flemish oak. A large open fireplace adds much to its attractiveness and homelikeness. The kitchen is absolutely sanitary with terrazzo floor, white tile base and white cement-plaster walls. Among other devices, there is in the kitchen equipment an

electric dishwasher, electric potato-peeler, and motor-driven meat and vegetable chopper. In the basement below the kitchen are ample storage rooms and a cold storage room.

As the charge for table board will be listed at actual cost, the monthly price, payable in advance, will probably vary during the year. For the first month of four weeks the charge will be $22.50. When payment for board is not made before the fifth of any month, the charge for that month is increased by $1.00, but under no conditions may a student delay payment longer than the 10th of any month.

The following action of the Executive Committee of the Board of Directors is applicable to those students who may desire to room in the college dormitories but who prefer to secure board elsewhere than at the College Commons:

"In view of the increased cost of foodstuffs and the desire of the management of the University to maintain the cost of board at the least possible figure, the Executive Committee directs that the charge for the rental of a room in the University dormitories will be $50 a year, as advertised in the catalogue, *only to those students who board at the University Commons.* All other students living in the University dormitories but not taking their meals at the University Commons will be charged at the rate of $70.00 per year. This $20 difference will be credited to the account of the Boarding department and will be used to offset the loss caused by the failure of such student to co-operate with other students in maintaining the board at the figure advertised in the catalogue. This regulation does not apply to those students who are forced to take their meals elsewhere as a result of outside occupations connected with working their way through college, where their meals represent a partial payment for their services."

FORTY-FOURTH ANNUAL COMMENCEMENT

DEGREES CONFERRED

HONORARY DEGREES

Doctor of Divinity

Rev. Donald MacQueen.....Palatka, Florida
Rev. C. O. Groves.....Kosciusko, Mississippi

Doctor of Laws

Richard Key Pittman.....Washington, D. C.
John Bell Keeble.....Nashville, Tennessee

DEGREES IN COURSE

Bachelor of Arts

Percy Lamar Armstrong.....Vaiden, Mississippi
Samuel Johnson Lindamood.....Columbus, Mississippi
Marion Lee MacQueen.....Clarksville, Tennessee
Malcolm Dunlap Therrell.....Clarksville, Tennessee

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STUDENTS OF THE UNIVERSITY.

GRADUATE STUDENTS

Armstrong, Percy Lamar	Vaiden, Mississippi
Leech, Margaret	Clarksville, Tennessee
MacQueen, Marion Lee	Clarksville, Tennessee
Naive, Lucy Jordan	Clarksville, Tennessee
Richardson, Robert Price	Clarksville, Tennessee

SENIOR CLASS

Cobb, Robert Henry	Arkansas
Crowe, William, Jr.	Tennessee
Gewin, Mercer Ledbetter	Mississippi
Johnston, Robert Darnstaedt	Tennessee
Lindamood, Stuart Lapsley	Mississippi
Lynn, William Harris	Tennessee
Millard, Walter John, Jr.	Tennessee
Thomas, Carlyle	North Carolina
Wilson, Cyril Crawford	Tennessee

JUNIOR CLASS

*Cross, Patrick Henry	Tennessee
Crowe, Ross Liston	Alabama
*Durrett, Robert Eldo	Tennessee
Fulcher, William Walton	Tennessee
McAtee, William Harvey	Mississippi
McCutchen, Samuel Proctor	Mississippi
Morrow, Henry Siebert	Tennessee
*Naive, Margaret Louise	Tennessee
*Perkins, Mary Louise	Tennessee
Trahern, Margaret Elwyn	Tennessee

SOPHOMORE CLASS

Anderson, Edward H.	Mississippi
Ayers, Harman Allen	Mississippi
Bellamy, Jesse Pleasants	Tennessee
Blackwood, Allassie	Tennessee
Boyd, George Franklin	Mississippi

Bragg, Edward Hyatt ..... Mississippi
Breen, Dale Everett ..... Ohio
Caldwell, Jesse L. ..... Mississippi
Caroland, Eleanor Lee ..... Tennessee
*Catlett, Margaret ..... Tennessee
Cook, William Collier ..... Tennessee
Craig, Samuel Minter ..... Mississippi
Crowe, Albert Pilkington ..... Tennessee
Daniel, Thompson G. ..... Tennessee
Dority, William Frank, Jr. ..... Tennessee
Downing, William Edward ..... Tennessee
Draughn, Paul Vernon ..... Mississippi
Edmondson, John Lewis ..... Tennessee
Elliott, Jones Fort ..... Tennessee
Fraser, Edwin Milton ..... Louisiana
Glassell, John Richmond ..... Louisiana
Grantham, Charles Rupert ..... Mississippi
*Grizzard, Henry Western ..... Tennessee
Jones, Hearcey Marcelle Edward ..... Louisiana
King, Albert L. ..... Tennessee
Kitchell, Horace Yeargin ..... Mississippi
Lindamood, John Alexander ..... Mississippi
Love, Joseph Bennett ..... Mississippi
McClanahan, William ..... Tennessee
McReynolds, Robert Louis ..... Tennessee
Marshall, Adair Howard ..... Mississippi
Parrot ,Alonzo Leslie ..... Tennessee
Pritchard, Vassar Hubert ..... Mississippi
*Robinson, John Edward, Jr. ..... Tennessee
Ruffin, William Vernon ..... Tennessee
Smith, Ursula Lee ..... Tennessee
*Stringer, Jesse ..... Mississippi
Sutherland, Essie ..... Tennessee
Walker, Kirby Pipkin ..... Mississippi
Watson, Cecil Whitmarsh ..... Louisiana
*Word, John Jones ..... Kentucky
Wyatt, Loran Leonard ..... Tennessee

FRESHMAN CLASS

Adger, Howard Ellison ..... Louisiana

Ashby, Frank C.	Louisiana
Bailey, John Lester	Mississippi
Barry, Bertha Quay	Tennessee
Brandau, John A.	Tennessee
*Bratton, Frances	Tennessee
Buckley, Edward Louis	Mississippi
Caldwell, Samuel Craighead	Mississippi
Cole, Stewart Buck	Mississippi
*Cross, John Russell	Tennessee
Culberson, James Matthew	Oklahoma
Ellis, Ann Elizabeth	Tennessee
Fain, Myra Lee	Tennessee
Ferguson, Robert V., Jr.	Tennessee
Gillis, David Benjamin	Louisiana
Hanner, MacReynolds, Jr.	Tennessee
Harned, Perry McKay	Tennessee
Hines, Hallie Virginia	Kentucky
Hoover, Britt T.	Mississippi
Huber, Carl Lotterhos	Mississippi
Humphreys, John Hoskins	Mississippi
Hynds, Wallace Gourley	Tennessee
Jobe, Sudie Eudora	Tennessee
Kirby, Thomas	Mississippi
Lockhart, James Bishop	Mississippi
McDaniel, Carrie Tyler	Tennessee
Major, Howard	Kentucky
Major, James Lester	Kentucky
Massey, Hobart Augustus	Tennessee
Meacham, Mabel Frances	Tennessee
Monk, Samuel Holt	Alabama
Moore, Pascal Lynn	Mississippi
Mount, Charles Eric	Tennessee
Neblett, George L.	Tennessee
Nelson, William Miller	Mississippi
Orgain, Angie Elizabeth	Tennessee
Patten, Theodore Emery	Mississippi
Perkins, Jesse	Tennessee
Person, William Thomas	Mississippi
Regen, Eugene Marshall	Tennessee
Rich, Wilson Crane	New York

Robbins, George Peter, Jr.	Louisiana
Roberts, John Rutledge	Tennessee
Robison, Robert M., Jr.	Tennessee
Rodriguez, Louisa Drane	Tennessee
Rollow, Jack	Tennessee
Runyon, Richard Bailey	Tennessee
Scruggs, Louis Slaughter	Louisiana
Sparks, Samuel Lawrence	Tennessee
Strong, Charles S., Jr.	Georgia
Sumrall, William Massey	Mississippi
Taylor, Huston Rochester, Jr.	Tennessee
Thomas, Melvin McLeod	Mississippi
Tipton, James, Jr.	Tennessee
Trahern, Joseph	Tennessee
*Walker, William P.	Tennessee
Ward, Carroll Thomas	Tennessee
West, Barton	Mississippi
Whitfield, Earl Bradley	Tennessee
Whitfield, Joe Lewis	Tennessee
Williams, John Milton, Jr.	Mississippi
Wilson, Lillian Elizabeth	Tennessee
Young, Margaret Louise	Tennessee

TABULATION OF STUDENTS ACCORDING TO RESIDENCE

Tennessee	71
Mississippi	36
Louisiana	10
Alabama	2
Kentucky	4
Kentucky	2
Arkansas	1
Georgia	1
North Carolina	1
Oklahoma	1
Ohio	1
New York	1
Total	129

* Indicates Special Students.

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